



Department of Energy

Richland Operations Office
P.O. Box 550
Richland, Washington 99352

0039103

95-PCA-011

NOV 04 1994

Mr. David L. Lundstrom
Section Manager
200 Areas
Nuclear Waste Program
State of Washington
Department of Ecology
1315 West 4th Avenue
Kennewick, Washington 99336

Mr. Douglas R. Sherwood
Hanford Project Manager
U.S. Environmental Protection Agency
712 Swift Boulevard, Suite 5
Richland, Washington 99352

Dear Messrs. Lundstrom and Sherwood:

HANFORD FACILITY DANGEROUS WASTE PART A PERMIT APPLICATION, FORM 3s, FOR EIGHT TREATMENT, STORAGE, AND DISPOSAL UNITS (WA7890008967)

Enclosed are 8 Hanford Facility Dangerous Waste Part A Permit Application (Part A) Form 3s. The 8 treatment, storage, and/or disposal (TSD) units are located in the 200 East and West Areas of the Hanford Facility and are used for the treatment, storage, and disposal of dangerous waste generated from various Hanford Facility operations. The 8 TSD units with their associated Part A, Form 3, and revision numbers are listed below:

- Double-Shell Tank (DST) System (TSD: S-2-3), Rev. 7
- 242-A Evaporator (TSD: T-2-6), Rev. 5
- 204-AR Waste Unloading Station (204-AR) (TSD: T-2-3), Rev. 3
- Low-Level Burial Grounds (LLBG) (TSD: D-2-9), Rev. 7
- Liquid Effluent Retention Facility (LERF) (TSD: S-2-8), Rev. 3
- 222-S Laboratory Complex (TSD: TS-2-1), Rev. 3
- Hanford Central Waste Complex (HCWC) (TSD: TS-2-4), Rev. 2
- T Plant Complex (TSD: T-2-7), Rev. 3



Messrs. Lundstrom and Sherwood
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The 8 Part A, Form 3s, have been revised to add Dangerous Waste Numbers F039 (multi-source leachate) in support of efforts to begin operations at Trench 31 of the Low-Level Burial Grounds. Dangerous Waste Number F039 is a waste designation the Washington State Department of Ecology (Ecology) has adopted from 40 CFR Part 261, Appendix VII, by reference per Washington Administrative Code (WAC) 173-303-082(5).

The Part A, Form 3s, for the following TSD units have been revised to delete and add the identified dangerous waste numbers:

- 242-A Evaporator - Deleted state-only WC01 (Extremely Hazardous - carcinogenic)
- 204-AR Waste Unloading Station - Deleted state-only WC01
- LLBG - Deleted discarded chemical products P035, P052, P079, U013, U230, U231, U241, U242, and state-only WC01
Added discarded chemical products P057, U248, U249, U328, U353, and U359
- HCWC - Deleted discarded chemical products P035, P052, P079, U013, U230, U231, U241, U242, and state-only WC01
Added discarded chemical products P057, U248, U249, U328, U353, and U359
- T Plant Complex - Deleted state-only WC01
Added discarded chemical products P057, P116, P118, P119, P120, P121, P122, P123, U248, U249, U328, U353, and U359

These changes to the Part A, Form 3, were made in compliance with WAC 173-303. These regulations require the submittal of a revised Part A, Form 3, that addresses the treatment, storage, and/or disposal of dangerous waste previously unidentified at a TSD unit operating under interim status.

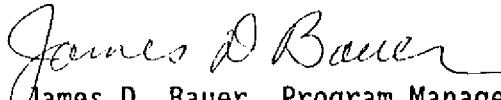
Messrs. Lundstrom and Sherwood
PCA-011

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Should you have any questions regarding the 8 Part A, Form 3s, please contact Mr. C. E. Clark of the U.S. Department of Energy, Richland Operations Office on (509) 376-9333 or Mr. R. C. Bowman of the Westinghouse Hanford Company on (509) 376-4876.

Sincerely,


James D. Bauer, Program Manager
Office of Environmental Assurance,
Permits, and Policy
DOE Richland Operations Office

EAP:CEC


William T. Dixon, Manager
Environmental Services
Westinghouse Hanford Company

Enclosure:
Eight Hanford Facility Part A
Permit Application,
Form 3s

cc w/encl:
Administrative Records, H6-08
D. Duncan EPA
D. Nylander Ecology
S. Price, WHC

cc w/o encl:
R. Bowman, WHC
B. Burke, CTUIR
W. Dixon, WHC
R. Jim, YIN
D. Powaukee, NPT

Please print or type in the unshaded areas only
(fill-in areas are spaced for elite type, i.e., 12 character/inch).

FORM 3	DANGEROUS WASTE PERMIT APPLICATION	1. EPA/STATE I.D. NUMBER <div style="border: 1px solid black; padding: 2px; text-align: center;">W A 7 8 9 0 0 0 8 9 8 7</div>					
FOR OFFICIAL USE ONLY							
APPLICATION APPROVED	DATE RECEIVED (mo., day, & yr.)	COMMENTS					
II. FIRST OR REVISED APPLICATION							
<small>Place an "X" in the appropriate box in A or B below (mark one box only) to indicate whether this is the first application you are submitting for your facility or a revised application. If this is your first application and you already know your facility's EPA/STATE I.D. Number, or if this is a revised application, enter your facility's EPA/STATE I.D. Number in Section I above.</small>							
A. FIRST APPLICATION (place an "X" below and provide the appropriate date)							
<input type="checkbox"/> 1. EXISTING FACILITY (See Instructions for definition of "existing" facility. Complete item below.)		<input type="checkbox"/> 2. NEW FACILITY (Complete item below)					
<div style="border: 1px solid black; padding: 2px; text-align: center;">MO. DAY YR. 0 3 1 8 7 7</div>	<small>FOR EXISTING FACILITIES, PROVIDE THE DATE (mo., day, & yr.) OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (use the boxes to the left)</small>	<div style="border: 1px solid black; padding: 2px; text-align: center;">MO. DAY YR.</div> <small>FOR NEW FACILITIES, PROVIDE THE DATE (mo., day, & yr.) OPERATION BEGAN OR IS EXPECTED TO BEGIN</small>					
B. REVISED APPLICATION (place an "X" below and complete Section I above)							
<input checked="" type="checkbox"/> 1. FACILITY HAS AN INTERIM STATUS PERMIT		<input type="checkbox"/> 2. FACILITY HAS A FINAL PERMIT					
III. PROCESSES - CODES AND CAPACITIES							
A. PROCESS CODE - Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided for entering codes. If more lines are needed, enter the code(s) in the space provided. If a process will be used that is not included in the list of codes below, then describe the process (including its design capacity) in the space provided on the (Section III-C).							
B. PROCESS DESIGN CAPACITY - For each code entered in column A enter the capacity of the process.							
1. AMOUNT - Enter the amount.							
2. UNIT OF MEASURE - For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.							
PROCESS	PRO- CESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY					
Storage:							
CONTAINER (barrel, drum, etc)	S01	GALLONS OR LITERS					
TANK	S02	GALLONS OR LITERS					
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS					
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS					
Disposal:							
INJECTION WELL	D80	GALLONS OR LITERS					
LANDFILL	D81	ACRE-FEET (the volume that would cover one acre to a depth of one foot) OR HECTARE-METER					
LAND APPLICATION	D82	ACRES OR HECTARES					
OCEAN DISPOSAL	D83	GALLONS PER DAY OR LITERS PER DAY					
SURFACE IMPOUNDMENT	D84	GALLONS OR LITERS					
UNIT OF MEASURE							
GALLONS.....	G	LITERS PER DAY.....	V				
LITERS.....	L	TONS PER HOUR.....	D				
CUBIC YARDS.....	Y	METRIC TONS PER HOUR.....	W				
CUBIC METERS.....	C	GALLONS PER HOUR.....	E				
GALLONS PER DAY.....	U	LITERS PER HOUR.....	H				
EXAMPLE FOR COMPLETING SECTION III (shown in line numbers X-1 and X-2 below): A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.							
LINE NUMBER	A. PRO- CESS CODE (from list above)	B. PROCESS DESIGN CAPACITY	FOR OFFICIAL USE ONLY	LINE NUMBER	A. PRO- CESS CODE (from list above)	B. PROCESS DESIGN CAPACITY	FOR OFFICIAL USE ONLY
		1. AMOUNT (specify)	2. UNIT OF MEAS- URE (enter code)			1. AMOUNT (specify)	2. UNIT OF MEAS- URE (enter code)
X-1	S 0 2	600	G	5			
X-2	T 0 3	20	E	6			
1	T 0 4	230,000	U	7			
2				8			
3				9			
4				10			

Continued from the front.

III. PROCESSES (continued)

C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESS (code "T04"). FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.
T04

The 242-A Evaporator is located in the 200 East Area of the Hanford Facility and is used to treat mixed waste from the Double-Shell Tank (DST) System by removing water and most volatile organics. Two waste streams leave the 242-A Evaporator following the treatment process. The first waste stream, the concentrated slurry (approximately 30 to 40 percent of the water is removed during evaporation along with a portion of the volatile organics), is pumped back into the DST System. The second waste stream, process condensate (containing a portion of the volatile organics removed from the mixed waste during the evaporation process), is routed through condensate filters for treatment before release to a retention basin (Liquid Effluent Retention Facility). Offgasses from the process are routed through a deentrainment unit, a prefilter, and high-efficiency particulate air filters before being discharged to the environment. The 242-A Evaporator is used to treat up to 230,000 gallons (871,000 liters) of mixed waste per day.

IV. DESCRIPTION OF DANGEROUS WASTES

- A. DANGEROUS WASTE NUMBER - Enter the four digit number from Chapter 173-303 WAC for each listed dangerous waste you will handle. If you handle dangerous wastes which are not listed in Chapter 173-303 WAC, enter the four digit number(s) that describes the characteristics and/or the toxic contaminants of those dangerous wastes.
- B. ESTIMATED ANNUAL QUANTITY - For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.
- C. UNIT OF MEASURE - For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:

For listed dangerous waste: For each listed dangerous waste entered in column A select the code(s) from the list of process codes contained in Section III to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed dangerous wastes: For each characteristic or toxic contaminant entered in Column A, select the code(s) from the list of process codes contained in Section III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed dangerous wastes that possess that characteristic or toxic contaminant.

Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: DANGEROUS WASTES DESCRIBED BY MORE THAN ONE DANGEROUS WASTE NUMBER - Dangerous wastes that can be described by more than one Waste Number shall be described on the form as follows:

- Select one of the Dangerous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
- In column A of the next line enter the other Dangerous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.
- Repeat step 2 for each other Dangerous Waste Number that can be used to describe the dangerous waste.

EXAMPLE FOR COMPLETING SECTION IV (shown in line numbers X-1, X-2, X-3, and X-4 below) - A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

LINE NO.	A. DANGEROUS WASTE NO. (enter code)				B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES									
	1. PROCESS CODES (enter)						2. PROCESS DESCRIPTION (if a code is not entered in D(1))									
X-1	K	0	5	4	900	P	T	0	3	D	8	0				
X-2	D	0	0	2	400	P	T	0	3	D	8	0				
X-3	D	0	0	1	100	P	T	0	3	D	8	0				
X-4	D	0	0	2			T	0	3	D	8	0				included with above

Continued from page 2.

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 8 9 6 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES	
				1. PROCESS CODES (enter)	2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	D 0 0 1	1,400,000,000	P	T04	Treatment - Evaporation
2	D 0 0 2				
3	D 0 0 3				
4	D 0 0 4				
5	D 0 0 5				
6	D 0 0 6				
7	D 0 0 7				
8	D 0 0 8				
9	D 0 0 9				
10	D 0 1 0				
11	D 0 1 1				
12	D 0 1 8				
13	D 0 1 9				
14	D 0 2 2				
15	D 0 2 8				
16	D 0 2 9				
17	D 0 3 0				
18	D 0 3 3				
19	D 0 3 4				
20	D 0 3 5				
21	D 0 3 6				
22	D 0 3 8				
23	D 0 3 9				
24	D 0 4 0				
25	D 0 4 1				
26	D 0 4 3				

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 8 9 6 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)				B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES				
							1. PROCESS CODES (enter)	2. PROCESS DESCRIPTION (if a code is not entered in D(1))			
1	W	T	0	1		P	T04				Treatment - Evaporation (cont)
2	W	T	0	2							
3	W	C	0	2							
4	W	P	0	1							
5	W	P	0	2							
6	F	0	0	1							
7	F	0	0	2							
8	F	0	0	3							
9	F	0	0	4							
10	F	0	0	5							
11	F	0	3	9							Included With Above
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											

Continued from the front.

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM SECTION D(1) ON PAGE 3.

The 242-A Evaporator is used to treat mixed waste from the Double-Shell Tank System. Two waste streams leave the 242-A Evaporator following the treatment process: a concentrated slurry waste stream that is routed to the Double-Shell Tank System and a process condensate effluent waste stream that is routed to the Liquid Effluent Retention Facility.

The concentrated slurry is regulated as a dangerous waste due to corrosivity (D002) and toxicity, and is regulated as an extremely hazardous waste (EHW) due to toxicity under the mixture rule. This mixed waste stream is considered corrosive because the pH of the waste exceeds 12.5 standard units. This mixed waste stream also is characterized as toxic due to the concentrations of chromium (D007), lead (D008), cadmium (D006), and silver (D011), and is EHW toxic due to the concentrations of nitrite and hydroxide ions.

The process condensate effluent is regulated as a dangerous waste due to the toxicity of ammonia and the presence of nonspecific waste sources F001 through F005, and F039. Multi-source leachate (F039) is included as a waste derived from nonspecific source wastes F001 through F005.

The list of dangerous constituents under item IV.A includes toxic constituents of cadmium (D006) and silver (D011). These constituents have not been detected in the waste, but knowledge of the process providing waste to the 242-A Evaporator indicates the strong possibility that these constituents will be in the waste. The list of Toxicity Characteristics Leaching Procedure constituents (WT01, WT02, WC02, WP01, and WP02) under item IV.A have not been detected in the waste; however, the potential exists for treating these constituents at the 242-A Evaporator. All other waste listed is based on analytical data. The annual waste quantity listed under item IV.B. was calculated using an operating schedule of 365 days per year, and a specific gravity for the waste of 2.0. This calculation was done to provide a maximum estimate of annual waste quantity.

V. FACILITY DRAWING

All existing facilities must include in the space provided on page 5 a scale drawing of the facility (see instructions for more detail).

VI. PHOTOGRAPHS

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas (see instructions for more detail).

VII. FACILITY GEOGRAPHIC LOCATION

This information is provided on the attached drawings and photos.

LATITUDE (degrees, minutes, & seconds)

LONGITUDE (degrees, minutes, & seconds)

VIII. FACILITY OWNER

☒ A. If the facility owner is also the facility operator as listed in Section VII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.

B. If the facility owner is not the facility operator as listed in Section VII on Form 1, complete the following items:

1. NAME OF FACILITY'S LEGAL OWNER

2. PHONE NO. (area code & no.)

3. STREET OR P.O. BOX

4. CITY OR TOWN

5. ST.

6. ZIP CODE

IX. OWNER CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

NAME (print or type)
John D. Wagoner, Manager
U.S. Department of Energy
Richland Operations Office

SIGNATURE

DATE SIGNED

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

NAME (print or type)

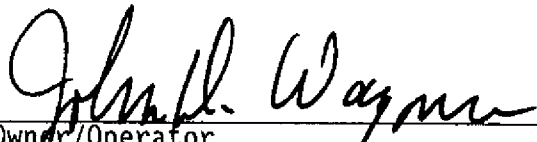
SIGNATURE

DATE SIGNED

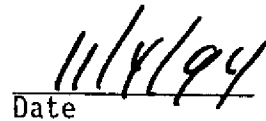
SEE ATTACHMENT

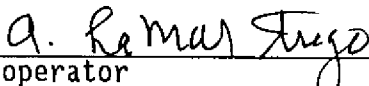
X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

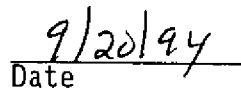


Owner/Operator
John D. Wagoner, Manager
U.S. Department of Energy
Richland Operations Office

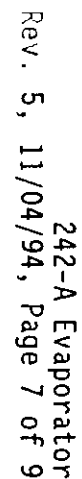

Date



Co-operator
A. LaMar Trego, President
Westinghouse Hanford Company

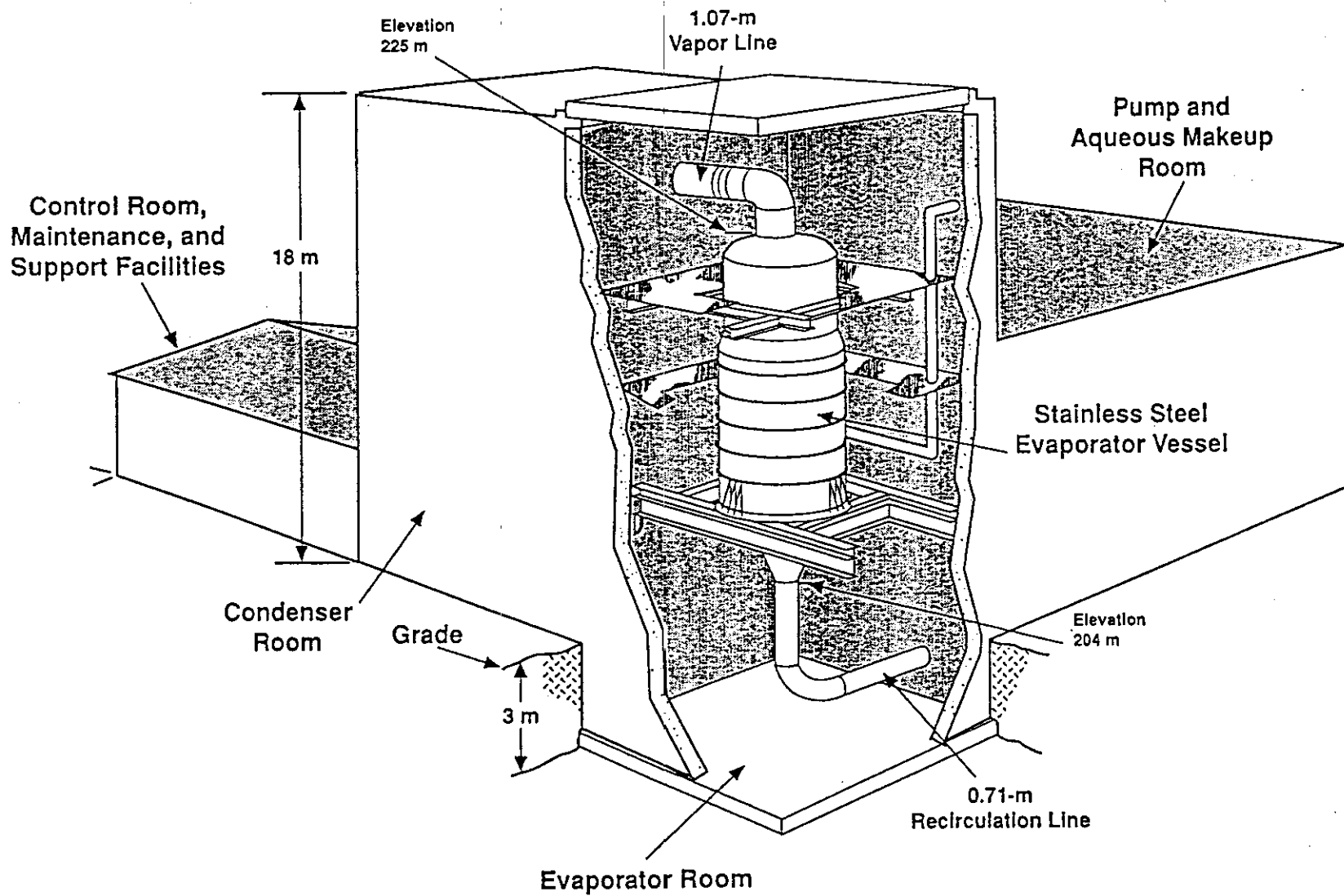

Date

WA7890008967



39208044.8

242-A Evaporator



For conversions, apply the following:
Meters to feet - divide meters by 0.3048.

39211048.1a

242-A EVAPORATOR



46°33'12"
119°31'37"

91051644-1CN
(PHOTO TAKEN 1991)

Please print or type in the unshaded areas only
(fill-in areas are spaced for elite type, i.e., 12 character/inch).

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<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> A. FIRST APPLICATION (place an "X" below and provide the appropriate date) <input type="checkbox"/> 1. EXISTING FACILITY (See instructions for definition of "existing" facility. Complete item below.) <div style="display: flex; align-items: flex-start; margin-top: 5px;"> <div style="margin-right: 10px;"> <table border="1" style="border-collapse: collapse; text-align: center;"> <tr><td style="width: 20px;">MO.</td><td style="width: 20px;">DAY</td><td style="width: 20px;">YR.</td></tr> <tr><td style="height: 20px;"></td><td style="height: 20px;"></td><td style="height: 20px;"></td></tr> </table> </div> <div> FOR EXISTING FACILITIES, PROVIDE THE DATE (mo., day, & yr.) OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (use the boxes to the left) </div> </div> </div> <div style="width: 48%;"> <input type="checkbox"/> 2. NEW FACILITY (Complete item below) <div style="display: flex; align-items: flex-start; margin-top: 5px;"> <div style="margin-right: 10px;"> <table border="1" style="border-collapse: collapse; text-align: center;"> <tr><td style="width: 20px;">MO.</td><td style="width: 20px;">DAY</td><td style="width: 20px;">YR.</td></tr> <tr><td style="height: 20px;"></td><td style="height: 20px;"></td><td style="height: 20px;"></td></tr> </table> </div> <div> FOR NEW FACILITIES, PROVIDE THE DATE (mo., day, & yr.) OPERATION BEGAN OR IS EXPECTED TO BEGIN </div> </div> </div> </div>			MO.	DAY	YR.				MO.	DAY	YR.			
MO.	DAY	YR.												
MO.	DAY	YR.												
*Refer to Tank Table														
B. REVISED APPLICATION (place an "X" below and complete Section I above) <input checked="" type="checkbox"/> 1. FACILITY HAS AN INTERIM STATUS PERMIT														
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PROCESS	PRO- CESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY												
<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> Storage: CONTAINER (barrel, drum, etc) S01 GALLONS OR LITERS TANK S02 GALLONS OR LITERS WASTE PILE S03 CUBIC YARDS OR CUBIC METERS SURFACE IMPOUNDMENT S04 GALLONS OR LITERS Disposal: INJECTION WELL D80 GALLONS OR LITERS LANDFILL D81 ACRE-FEET (the volume that would cover one acre to a depth of one foot) OR HECTARE-METER LAND APPLICATION D82 ACRES OR HECTARES OCEAN DISPOSAL D83 GALLONS PER DAY OR LITERS PER DAY SURFACE IMPOUNDMENT D84 GALLONS OR LITERS </div> <div style="width: 48%;"> Treatment: TANK T01 GALLONS PER DAY OR LITERS PER DAY SURFACE IMPOUNDMENT T02 GALLONS PER DAY OR LITERS PER DAY INCINERATOR T03 TONS PER HOUR OR METRIC TONS PER HOUR; GALLONS PER HOUR OR LITERS PER HOUR OTHER (Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided; Section III-C.) T04 GALLONS PER DAY OR LITERS PER DAY </div> </div>														
UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE												
GALLONS.....	G	LITERS PER DAY.....												
LITERS.....	L	TONS PER HOUR.....												
CUBIC YARDS.....	Y	METRIC TONS PER HOUR.....												
CUBIC METERS.....	C	GALLONS PER HOUR.....												
GALLONS PER DAY.....	U	LITERS PER HOUR.....												
ACRE-FEET.....	A	V.....												
HECTARE-METER.....	F	D.....												
ACRES.....	B	W.....												
HECTARES.....	Q	E.....												
		H.....												
EXAMPLE FOR COMPLETING SECTION III (shown in line numbers X-1 and X-2 below): A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.														
LINE NUMBER	A. PRO- CESS CODE (from list above)	B. PROCESS DESIGN CAPACITY	FOR OFFICIAL USE ONLY	LINE NUMBER	A. PRO- CESS CODE (from list above)	B. PROCESS DESIGN CAPACITY	FOR OFFICIAL USE ONLY							
X-1	S 0 2	600		5										
X-2	T 0 3	20		6										
1	S 0 2	40,041,000		7										
2	T 0 1	40,041,000		8										
3				9										
4				10										

Continued from the front.

III. PROCESSES (continued)

C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESS (code "T04"). FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

The Double-Shell Tank (DST) System is used for the interim storage (S02) of liquid mixed waste generated on the Hanford Facility. Several operating units in the 200 East and West Areas transfer liquid mixed waste through buried double-encased transfer lines to designated underground DSTs. Other types of liquid mixed waste in the DST System are received from railroad car transfers, tank truck transfers, the Single-Shell Tank System, and smaller temporary storage tanks.

Pretreatment will be performed as necessary at a future unit and/or at the 242-A Evaporator. The low-level liquid mixed waste is accumulated in the DST System until the waste is transferred for treatment to a proposed low-level vitrification plant in preparation for final disposal. The high-level liquid mixed waste from the DST System will be treated at the Hanford Waste Vitrification Plant (HWVP) and shipped to an offsite waste facility.

The tanks in the DST System are considered treatment units (T01) because chemicals can be added for corrosion control, the waste can be mixed using equipment such as airlift circulators or pumps, and water can be evaporated from the aging waste tanks by adding heat. It is possible that up to 40,041,000 gallons (151,571,200 liters) of waste can be treated per day.

The tanks in the DST System are shown on the Tank Table (pages 3 and 4), which includes tank numbers, locations, design capacities, and operational dates. The specific TSD unit boundaries will be defined in the Double-Shell Tank System Dangerous Waste Permit Application.

IV. DESCRIPTION OF DANGEROUS WASTES

- A. **DANGEROUS WASTE NUMBER** - Enter the four digit number from Chapter 173-303 WAC for each listed dangerous waste you will handle. If you handle dangerous wastes which are not listed in Chapter 173-303 WAC, enter the four digit number(s) that describes the characteristics and/or the toxic contaminants of those dangerous wastes.
- B. **ESTIMATED ANNUAL QUANTITY** - For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.
- C. **UNIT OF MEASURE** - For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:

For listed dangerous waste: For each listed dangerous waste entered in column A select the code(s) from the list of process codes contained in Section III to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed dangerous wastes: For each characteristic or toxic contaminant entered in Column A, select the code(s) from the list of process codes contained in Section III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed dangerous wastes that possess that characteristic or toxic contaminant.

Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: DANGEROUS WASTES DESCRIBED BY MORE THAN ONE DANGEROUS WASTE NUMBER - Dangerous wastes that can be described by more than one Waste Number shall be described on the form as follows:

- Select one of the Dangerous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
- In column A of the next line enter the other Dangerous Waste Number that can be used to describe the waste. In column D(2) on that line enter "Included with above" and make no other entries on that line.
- Repeat step 2 for each other Dangerous Waste Number that can be used to describe the dangerous waste.

EXAMPLE FOR COMPLETING SECTION IV (shown in line numbers X-1, X-2, X-3, and X-4 below) - A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES	
				1. PROCESS CODES (enter)	2. PROCESS DESCRIPTION (if a code is not entered in D(1))
X-1	K 0 5 4	900	P	T 0 3 D 8 0	
X-2	D 0 0 2	400	P	T 0 3 D 8 0	
X-3	D 0 0 1	100	P	T 0 3 D 8 0	
X-4	D 0 0 2			T 0 3 D 8 0	Included with above

TANK TABLE (Sheet 1 of 2)

1. There are twenty-four 1,200,000-gallon nonaging* DSTs.

Tank Number	Location	Design Capacity (gallons)	Operation Date
241-AN-101	200 East Area	1,200,000	9/81
241-AN-102	200 East Area	1,200,000	9/81
241-AN-103	200 East Area	1,200,000	9/81
241-AN-104	200 East Area	1,200,000	9/81
241-AN-105	200 East Area	1,200,000	9/81
241-AN-106	200 East Area	1,200,000	9/81
241-AN-107	200 East Area	1,200,000	9/81
241-AP-101	200 East Area	1,200,000	10/86
241-AP-102	200 East Area	1,200,000	10/86
241-AP-103	200 East Area	1,200,000	10/86
241-AP-104	200 East Area	1,200,000	10/86
241-AP-105	200 East Area	1,200,000	10/86
241-AP-106	200 East Area	1,200,000	10/86
241-AP-107	200 East Area	1,200,000	10/86
241-AP-108	200 East Area	1,200,000	10/86
241-AW-101	200 East Area	1,200,000	8/80
241-AW-102	200 East Area	1,200,000	8/80
241-AW-103	200 East Area	1,200,000	8/80
241-AW-104	200 East Area	1,200,000	8/80
241-AW-105	200 East Area	1,200,000	8/80
241-AW-106	200 East Area	1,200,000	8/80
241-SY-101	200 West Area	1,200,000	4/77
241-SY-102	200 West Area	1,200,000	4/77
241-SY-103	200 West Area	1,200,000	4/77

* Nonaging is a waste that is not neutralized current acid waste.

2. There are six proposed 1,160,000-gallon MWTF DSTs.

Tank Number	Location	Design Capacity (gallons)	Operation Date
241-HN-101	200 East Area	1,160,000	12/98
241-HN-102	200 East Area	1,160,000	12/98
241-HN-103	200 East Area	1,160,000	12/98
241-HN-104	200 East Area	1,160,000	12/98
241-SN-101	200 West Area	1,160,000	2/98
241-SN-102	200 West Area	1,160,000	2/98

TANK TABLE (Sheet 2 of 2)

3. There are four aging* waste DSTs.

Tank Numbers	Location	Design Capacity (gallons)	Operation Date
241-AY-101	200 East Area	1,000,000	4/71
241-AY-102	200 East Area	1,000,000	4/76**
241-AZ-101	200 East Area	1,000,000	11/76
241-AZ-102	200 East Area	1,000,000	11/76

* Aging waste is neutralized current acid waste generated from the PUREX Plant.

** Estimated operational date.

4. There are six tanks in the waste transfer vaults.

Tank Number	Location	Design Capacity (gallons)	Operation Date
244-AR-001	200 East Area	43,000	1977
244-AR-002	200 East Area	43,000	1977
244-AR-003	200 East Area	4,785	1977
244-AR-004	200 East Area	4,785	1977
244-CR-003	200 East Area	14,660	1946
244-CR-011	200 East Area	45,000	1946

5. There is one 800-gallon tank in a transfer building.

Tank Number	Location	Design Capacity (gallons)	Operation Date
241-EW-151	200 East Area Vent Station	800	11/55*

* Estimated operational date.

6. There are five double-contained receiver tanks.

Tank Number	Location	Design Capacity (gallons)	Operation Date
244-BX	200 East Area	31,000	1983
244-TX	200 West Area	31,000	12/81
244-U	200 West Area	31,000	N/A
244-A	200 East Area	16,280	1975
244-S	200 West Area	20,280	1987

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 8 9 6 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)				B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES							
							1. PROCESS CODES (enter)				2. PROCESS DESCRIPTION (if a code is not entered in D(1))			
1	D	0	0	1	1,000,420,000	P	S02	T01					Storage/Chemical Treatment-Evap.	
2	D	0	0	2										
3	D	0	0	3										
4	D	0	0	4										
5	D	0	0	5										
6	D	0	0	6										
7	D	0	0	7										
8	D	0	0	8										
9	D	0	0	9										
10	D	0	1	0										
11	D	0	1	1										
12	D	0	1	8										
13	D	0	1	9										
14	D	0	2	2										
15	D	0	2	8										
16	D	0	2	9										
17	D	0	3	0										
18	D	0	3	3										
19	D	0	3	4										
20	D	0	3	5										
21	D	0	3	6										
22	D	0	3	8										
23	D	0	3	9										
24	D	0	4	0										
25	D	0	4	1										
26	D	0	4	3										

Continued from page 2.

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 8 9 6 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)				B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES							
							1. PROCESS CODES (enter)				2. PROCESS DESCRIPTION (if a code is not entered in D(1))			
1	W	T	0	1		P		S02	T01					Storage/Chemical Treatment-Evap.
2	W	T	0	2										
3	W	C	0	2										
4	W	P	0	1										
5	W	P	0	2										
6	F	0	0	1										
7	F	0	0	2										
8	F	0	0	3										
9	F	0	0	4										
10	F	0	0	5										
11	F	0	3	9		↓	↓	↓						Included With Above
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														
25														
26														

Continued from the front.

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM SECTION D(1) ON PAGE 3.

The types of liquid mixed waste stored, chemically treated, and evaporated in the DST System are as follows:

- Dilute miscellaneous waste generated on the Hanford Facility (100, 200, 300, 400 Areas, and the 340 Complex)
- Supernate and transuranic sludges that consist of neutralized cladding removal waste generated during Plutonium-Uranium Extraction (PUREX) Plant headend operations, and waste generated during the Plutonium Finishing Plant processing
- Concentrated DST waste (slurry) from the 242-A Evaporator
- Concentrated complexed waste and complexed waste generated from B Plant processing
- Neutralized current acid waste from the first extraction column at the PUREX Plant
- Liquid waste from the Single-Shell Tank System
- Waste from the Grout Treatment Facility
- T Plant Complex decontamination activities
- Waste from the 204-AR Waste Unloading Station
- Leachate resulting from Hanford Facility land disposal and surface impoundment operations.

It is possible that any of these waste types could be stored and/or treated in any of the nonaging or aging DSTs.

The list of dangerous waste under item IV.A. includes the toxic constituents of cadmium and silver. These constituents have not been detected in the waste, but knowledge of the processes providing the waste to the DST System indicates the strong possibility that these constituents will be in the waste. Toxicity characteristic leaching procedure constituents listed under item IV.A have not been detected in the waste; however, the DST System has the potential to store these constituents. Multi-source leachate (F039) is included as a waste derived from nonspecific source wastes F001 through F005. All other waste listed on this form is based on analytical data.

V. FACILITY DRAWING

All existing facilities must include in the space provided on page 5 a scale drawing of the facility (see instructions for more detail).

VI. PHOTOGRAPHS

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas (see instructions for more detail).

VII. FACILITY GEOGRAPHIC LOCATION

This information is provided on the attached drawings and photos.

LATITUDE (degrees, minutes, & seconds)

LONGITUDE (degrees, minutes, & seconds)

VIII. FACILITY OWNER

☒ A. If the facility owner is also the facility operator as listed in Section VII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.

B. If the facility owner is not the facility operator as listed in Section VII on Form 1, complete the following items:

1. NAME OF FACILITY'S LEGAL OWNER

2. PHONE NO. (area code & no.)

3. STREET OR P.O. BOX

4. CITY OR TOWN

5. ST.

6. ZIP CODE

IX. OWNER CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

NAME (print or type)
John D. Wagoner, Manager
U.S. Department of Energy
Richland Operations Office

SIGNATURE

John D. Wagoner

DATE SIGNED

11/4/94

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

NAME (print or type)

SIGNATURE

DATE SIGNED

SEE ATTACHMENT

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

John D. Wagoner

Owner/Operator
John D. Wagoner, Manager
U.S. Department of Energy
Richland Operations Office

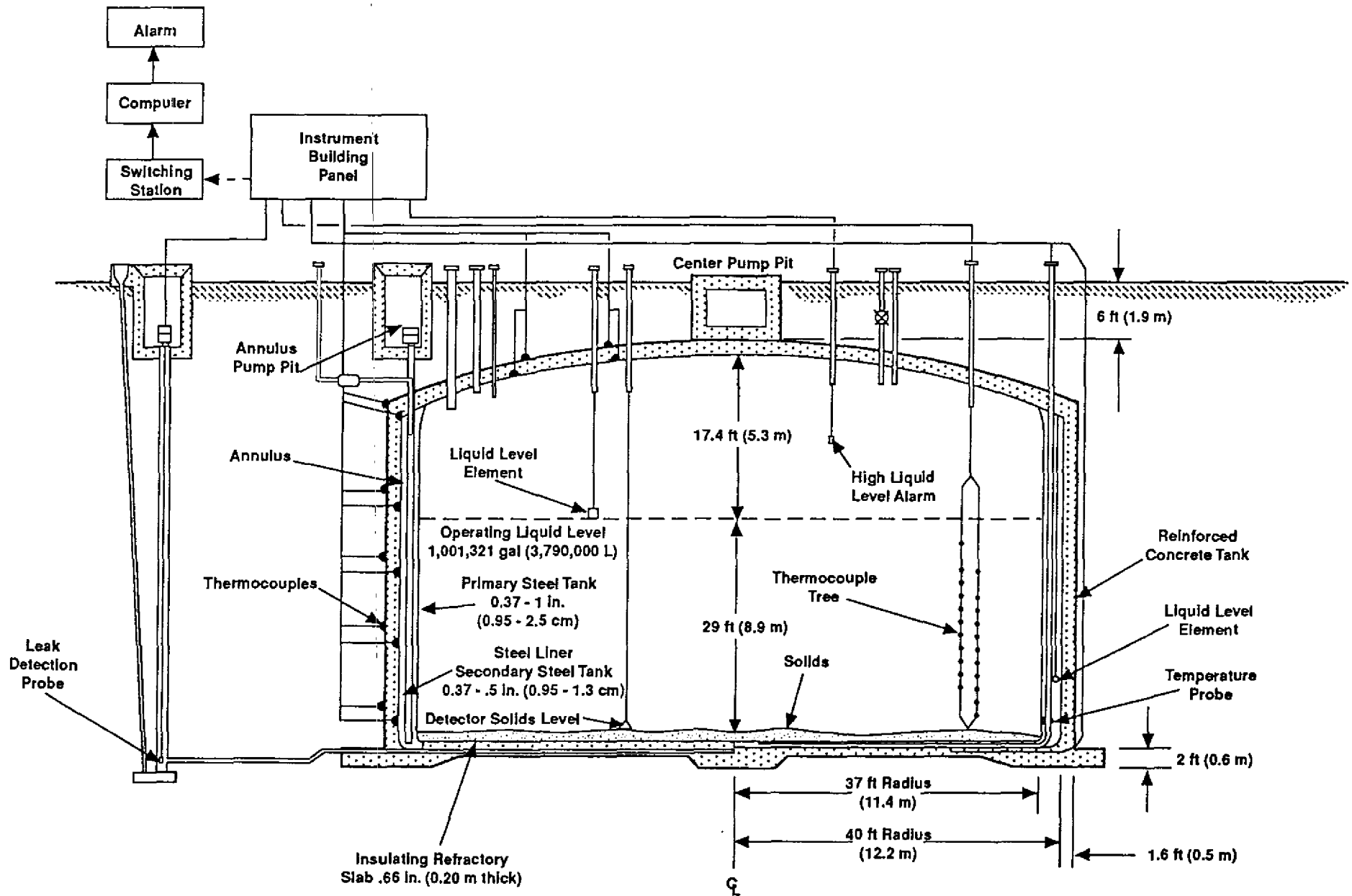
11/4/94
Date

A. LaMar Trego

Co-operator
A. LaMar Trego, President
Westinghouse Hanford Company

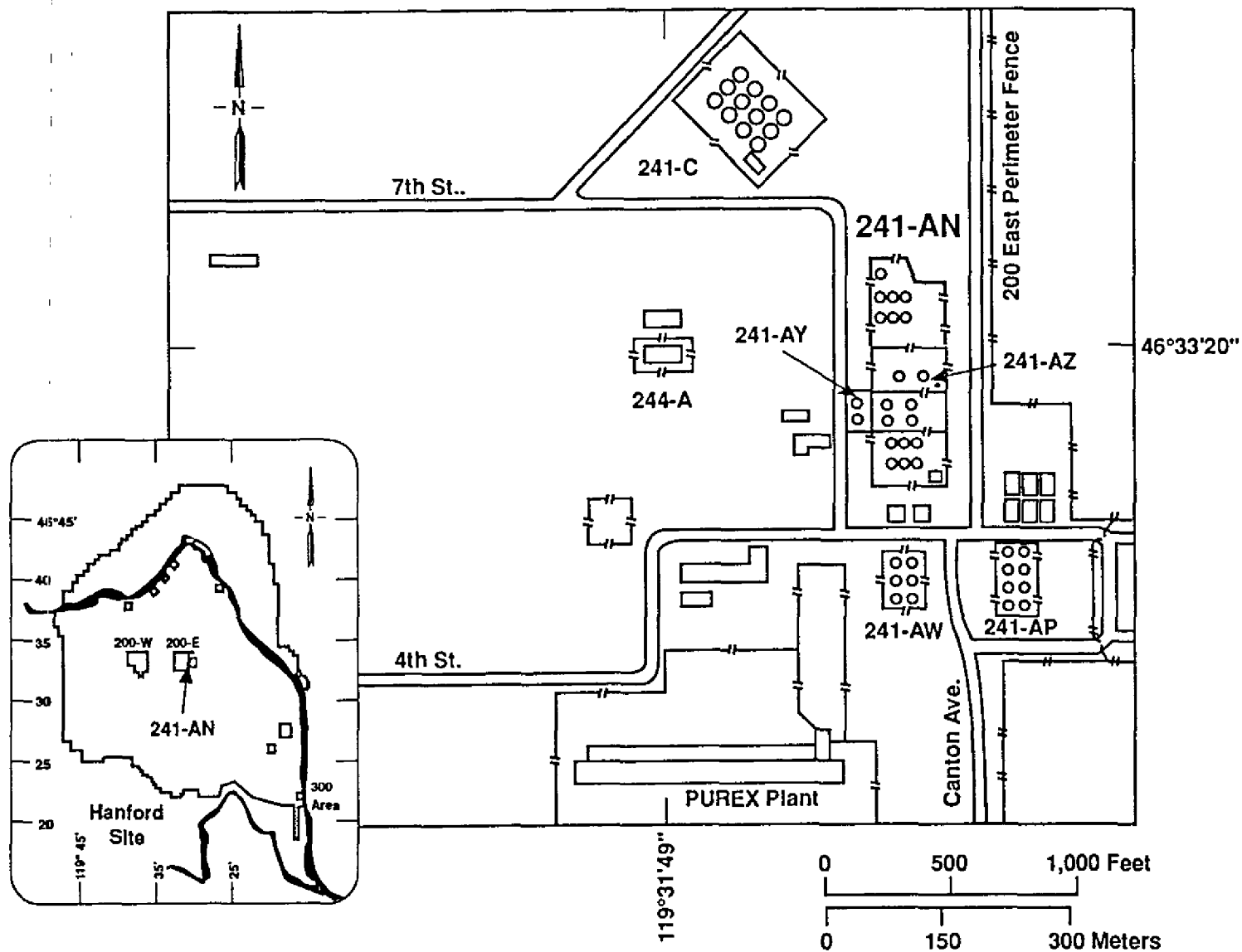
9/20/94
Date

Typical Nonaging Waste Double-Shell Tank



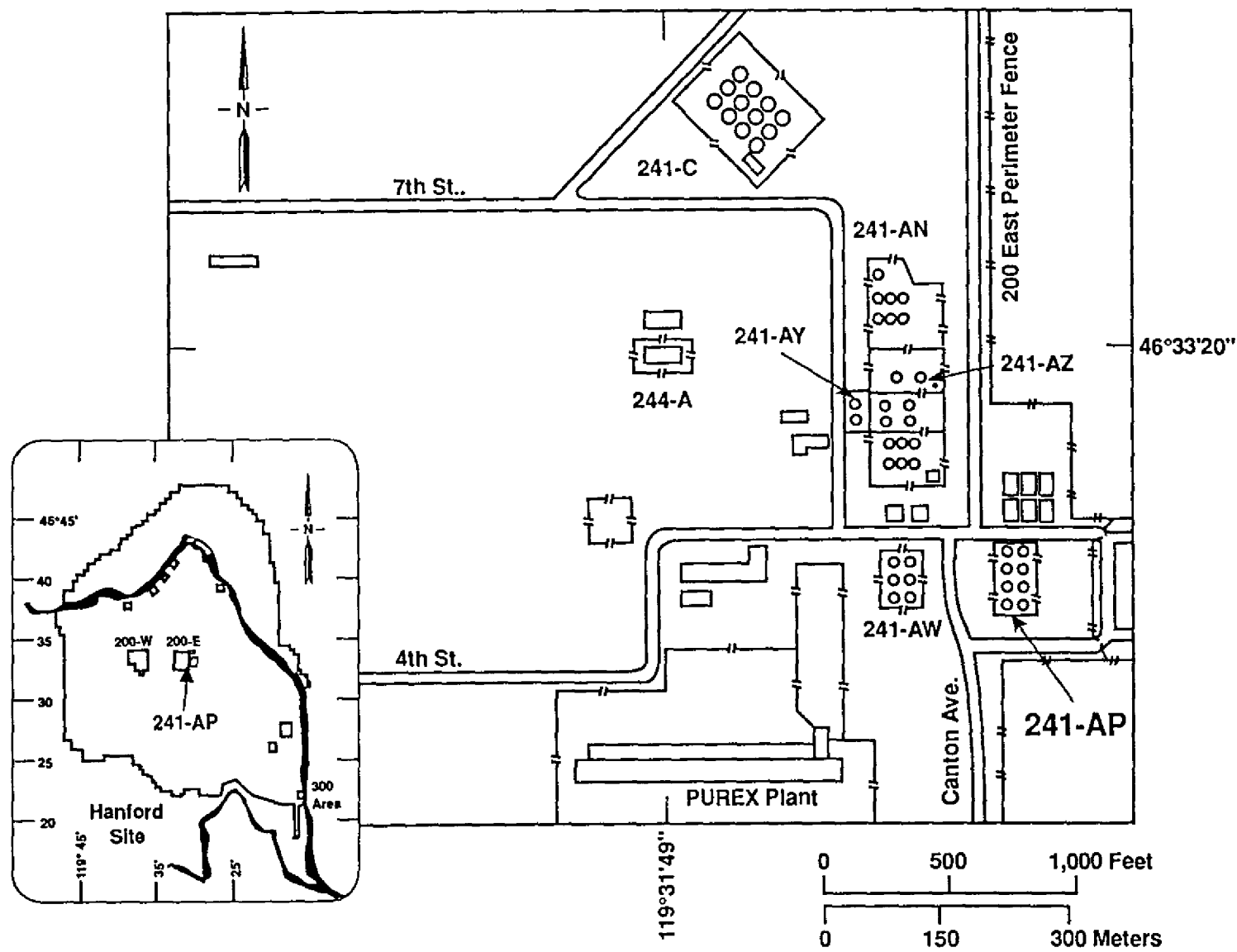
39211048.3a

241-AN Double-Shell Tank Site Plan



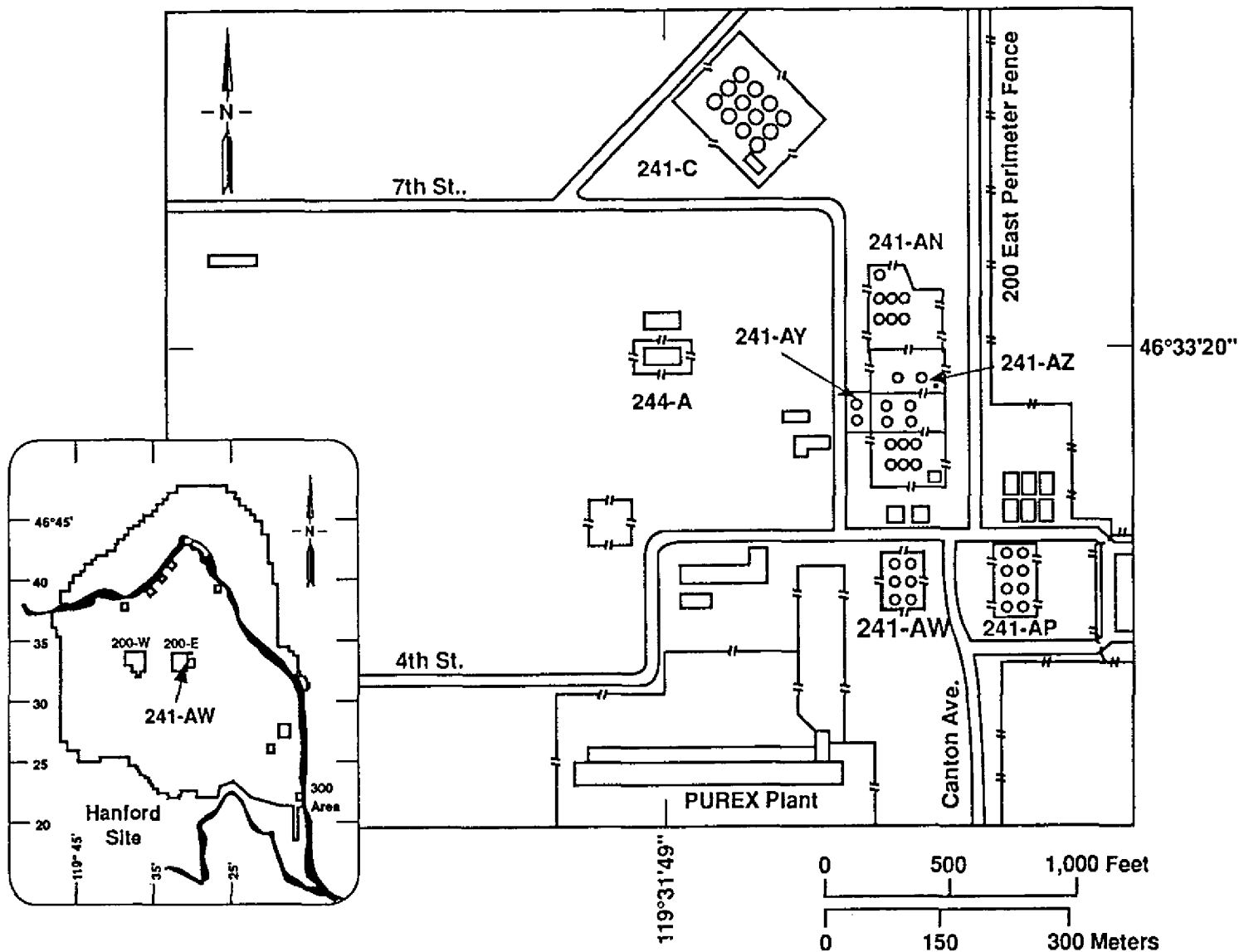
H9408030.17

241-AP Double-Shell Tank Site Plan



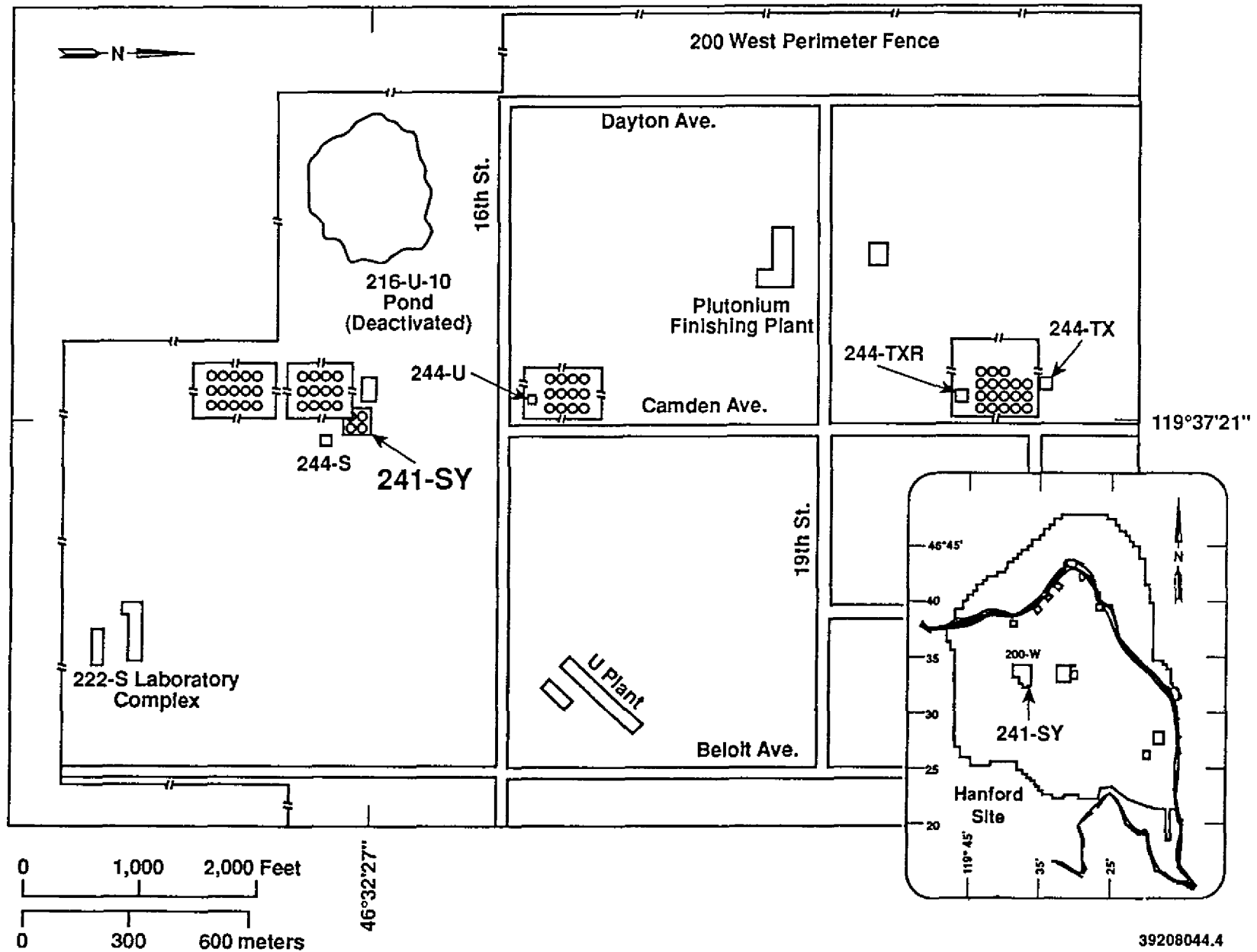
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241-AW Double-Shell Tank Site Plan

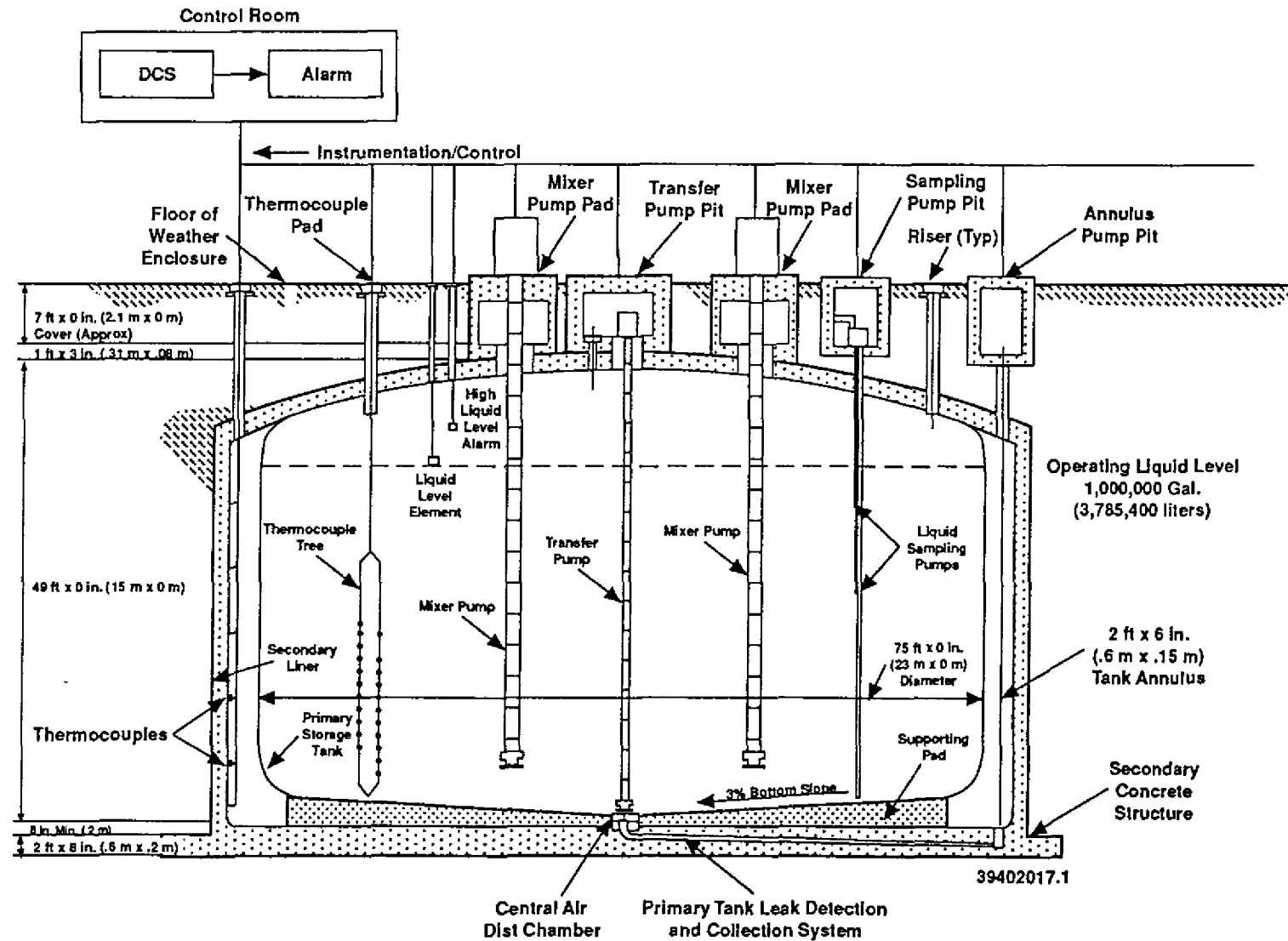


H9408030.19

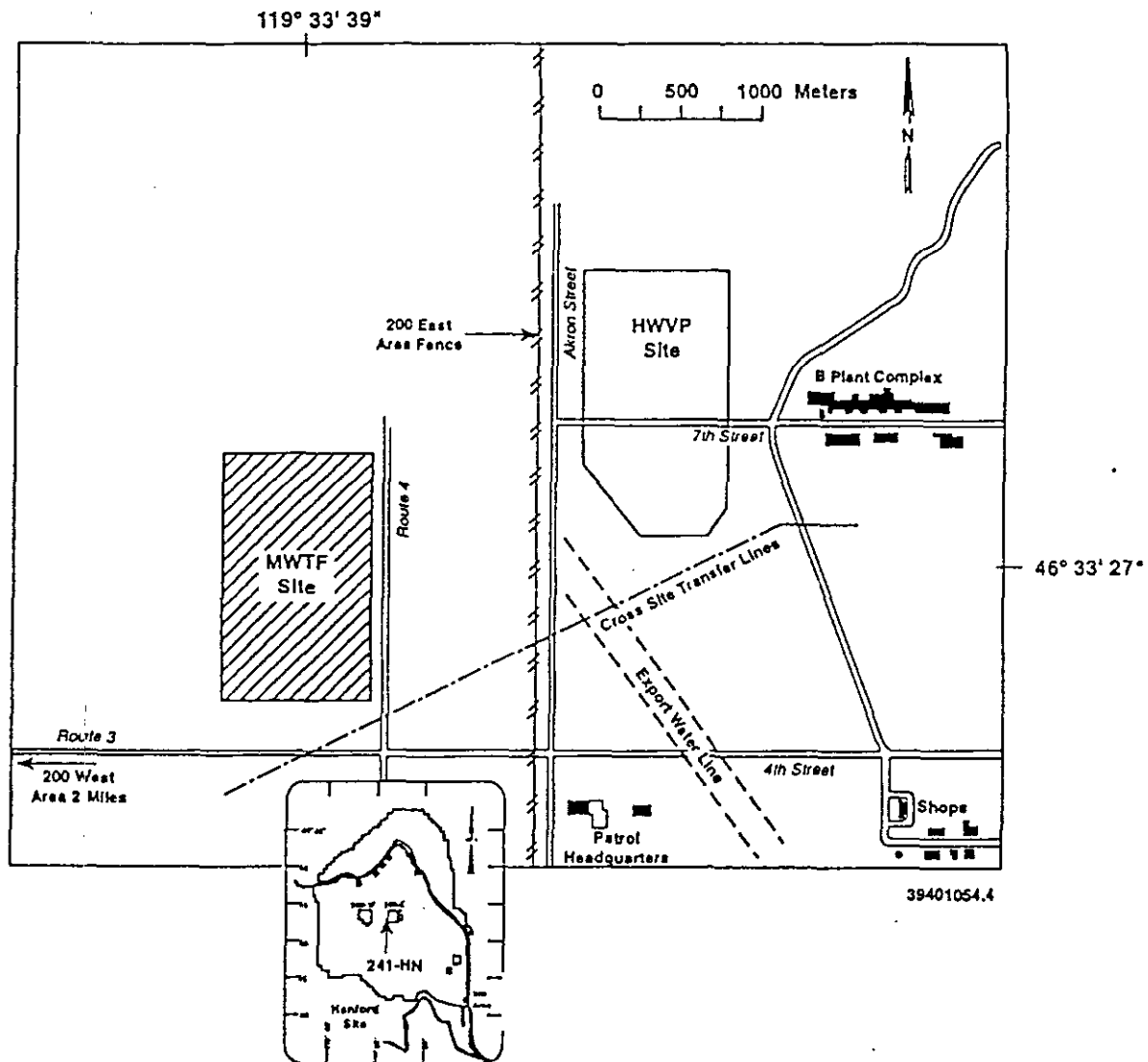
241-SY Double-Shell Tank Site Plan



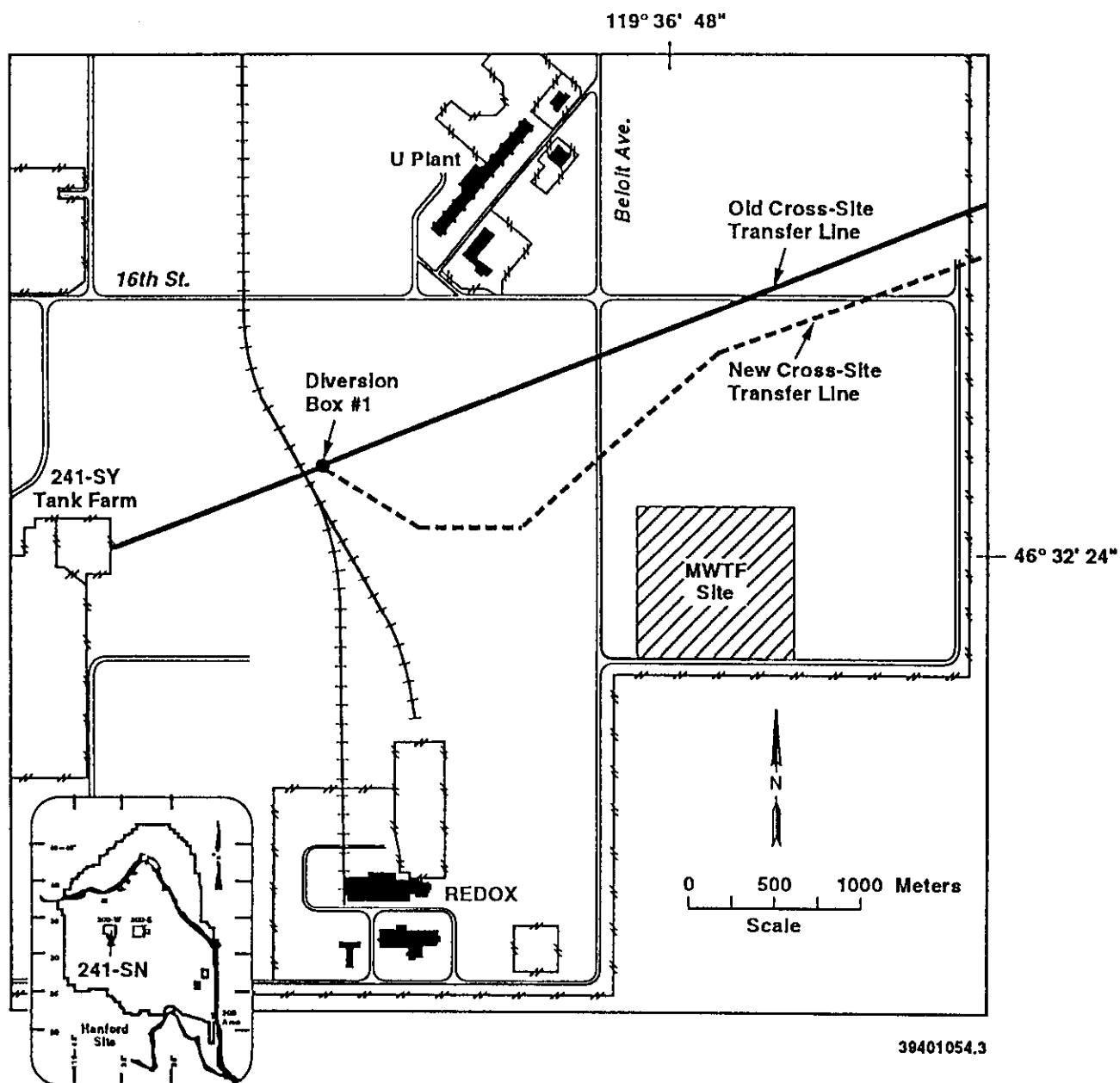
Typical Multi-Function Waste Tank Facility Double-Shell Tank



MULTI-FUNCTION WASTE TANK FACILITY 200 EAST AREA SITE



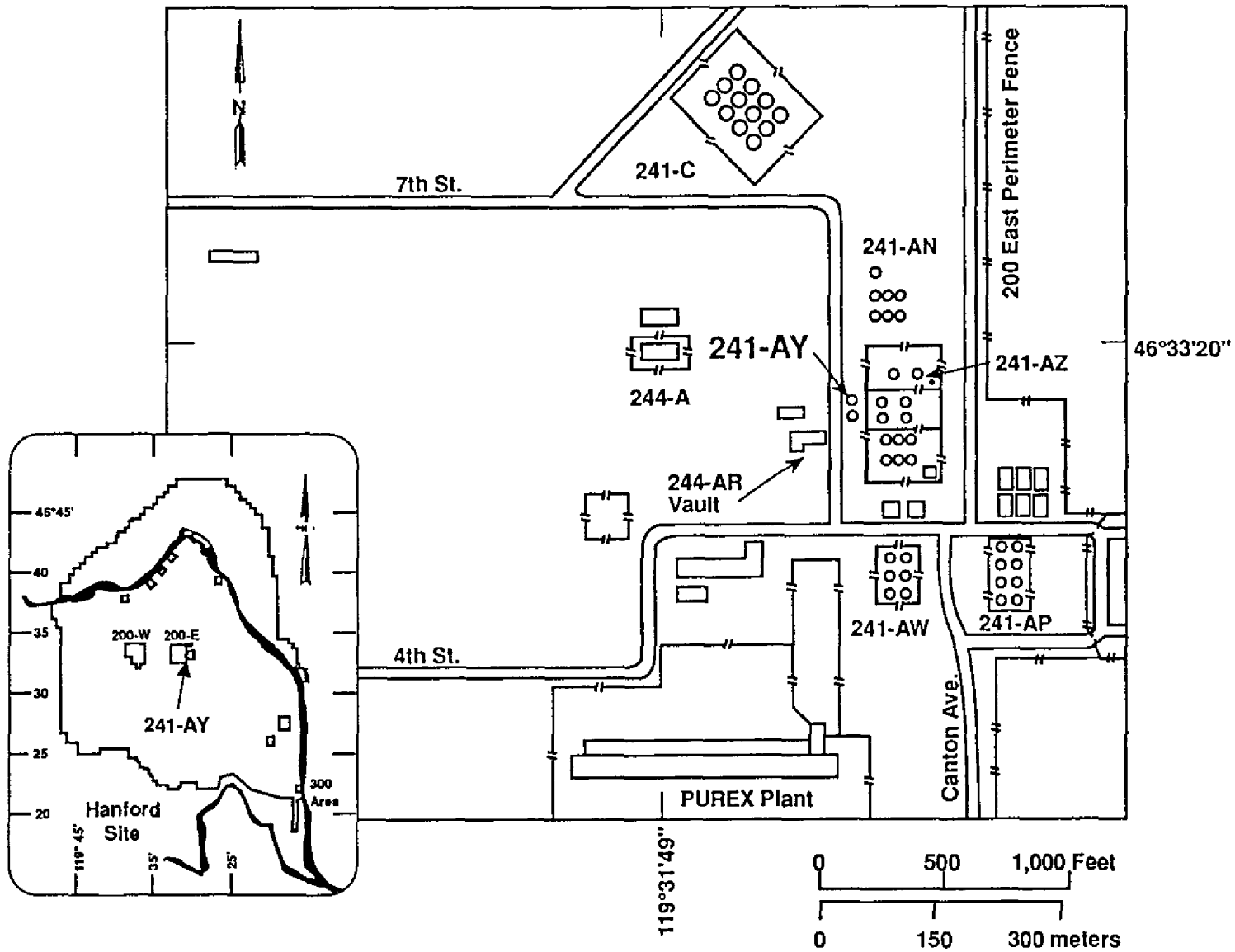
MULTI-FUNCTION WASTE TANK FACILITY 200 WEST AREA SITE



Double-Shell Tank System
Rev. 7, 11/04/94, Page 17 of 48

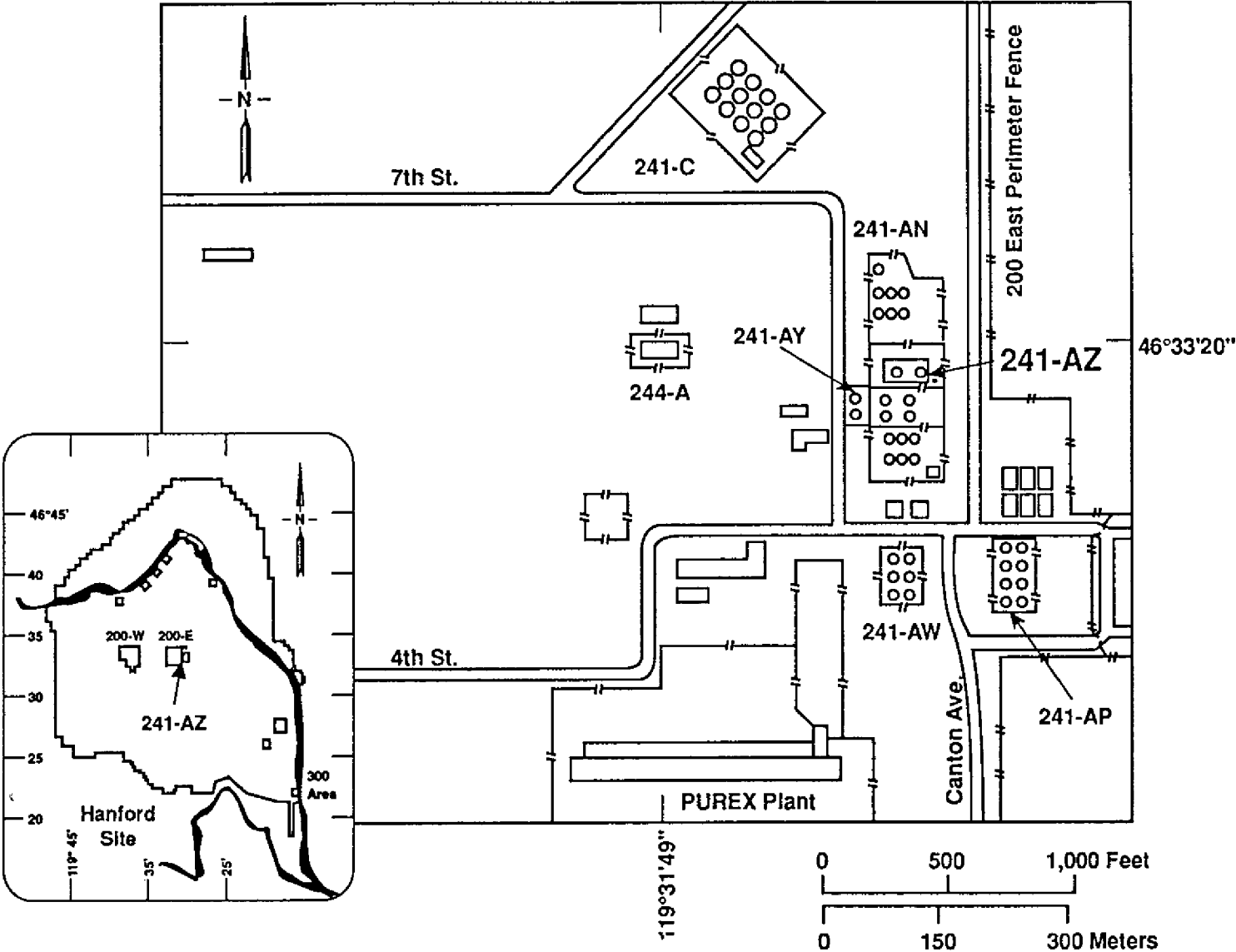


241-AY Aging Waste Double-Shell Tank Site Plan



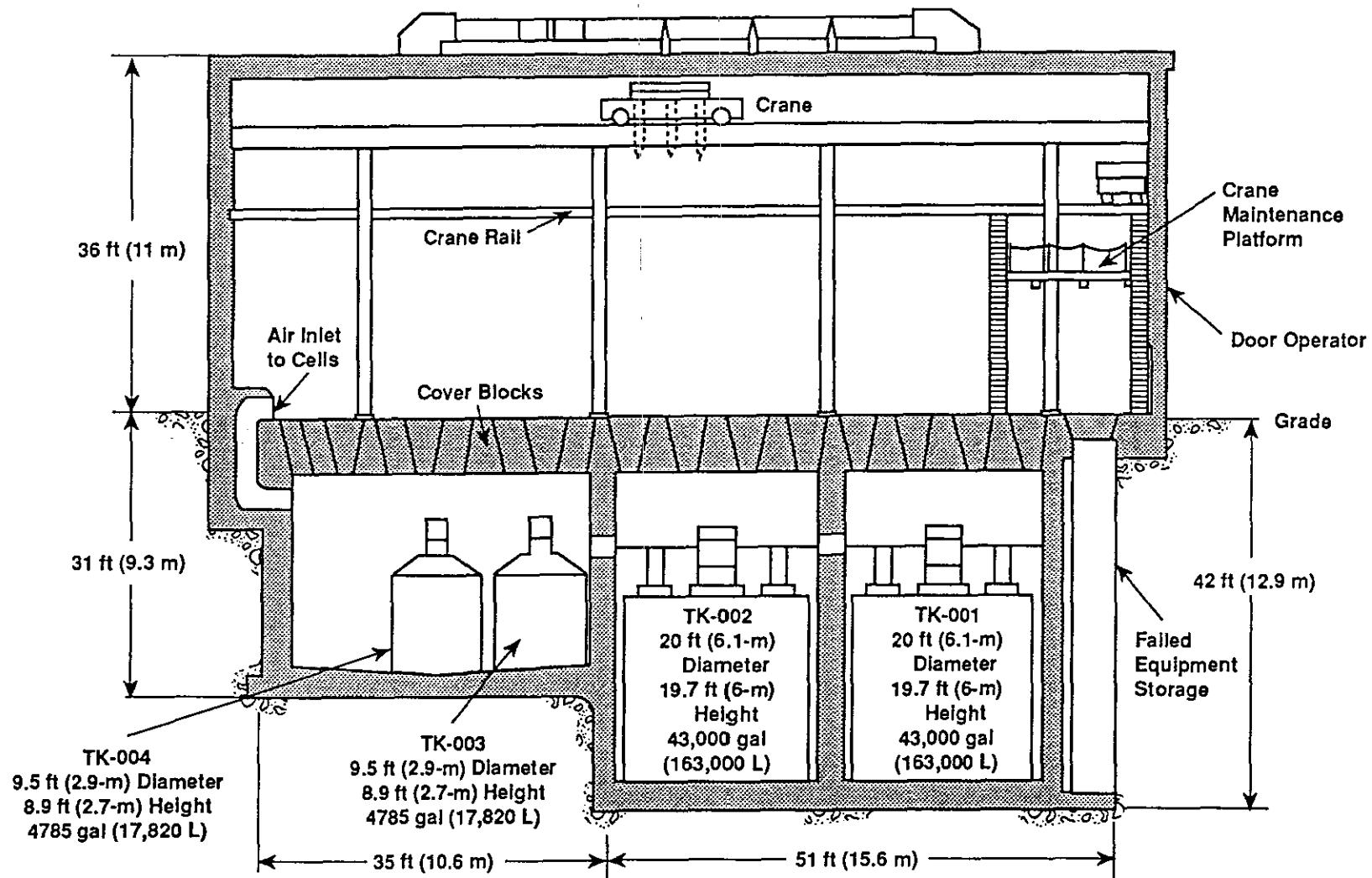
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241-AZ Aging Waste Double-Shell Tank Site Plan



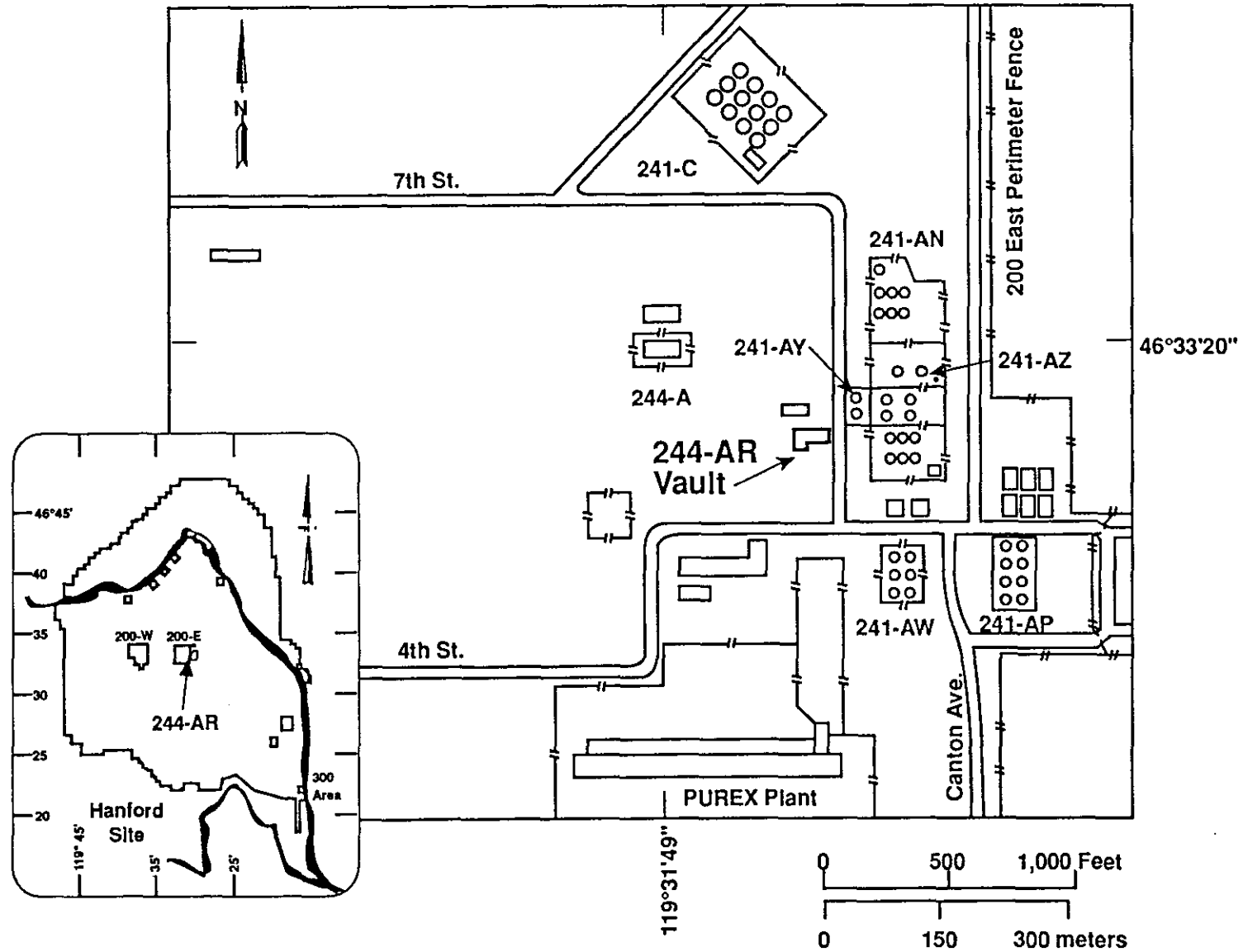
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244-AR Vault



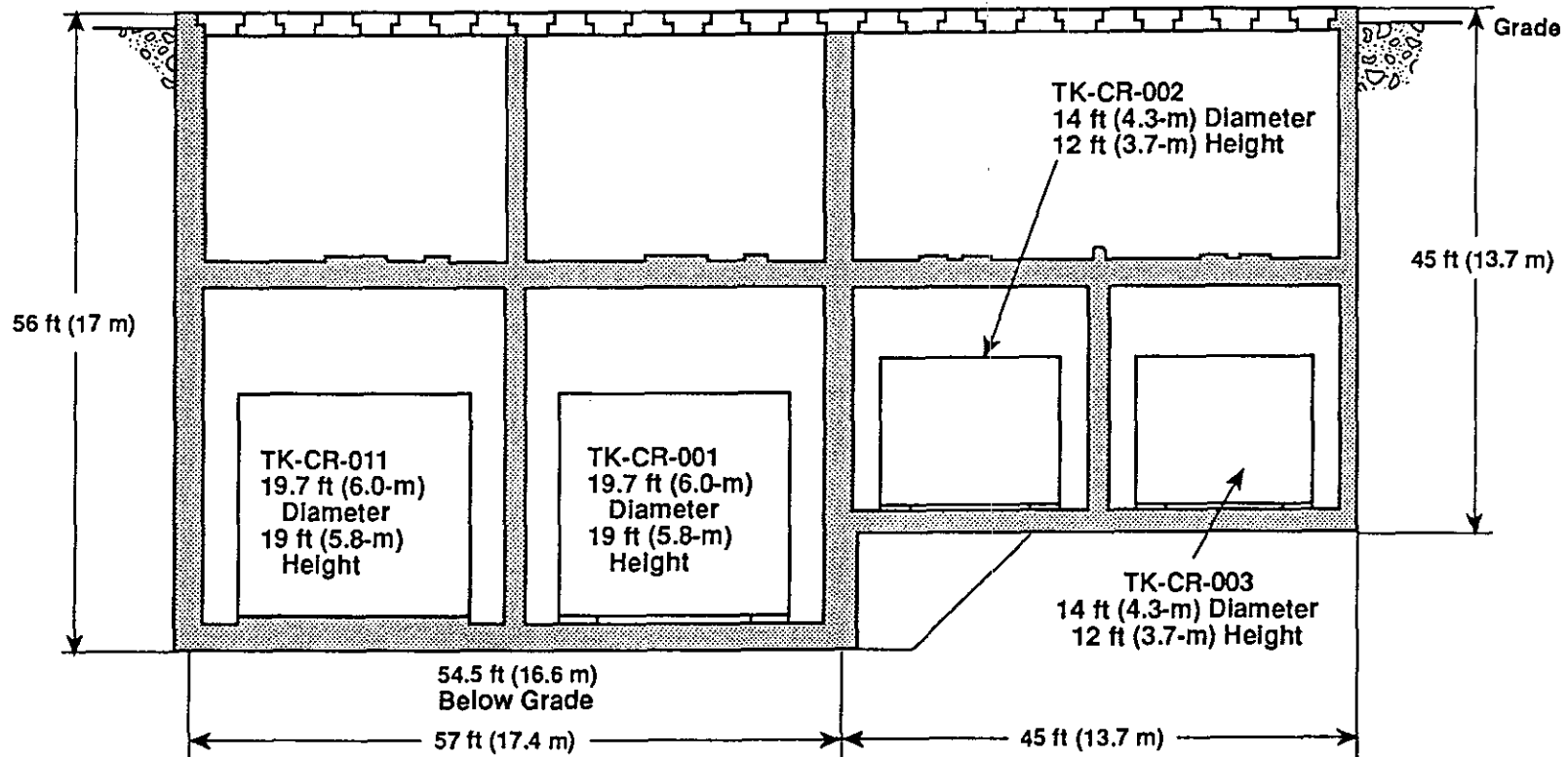
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244-AR Vault Site Plan



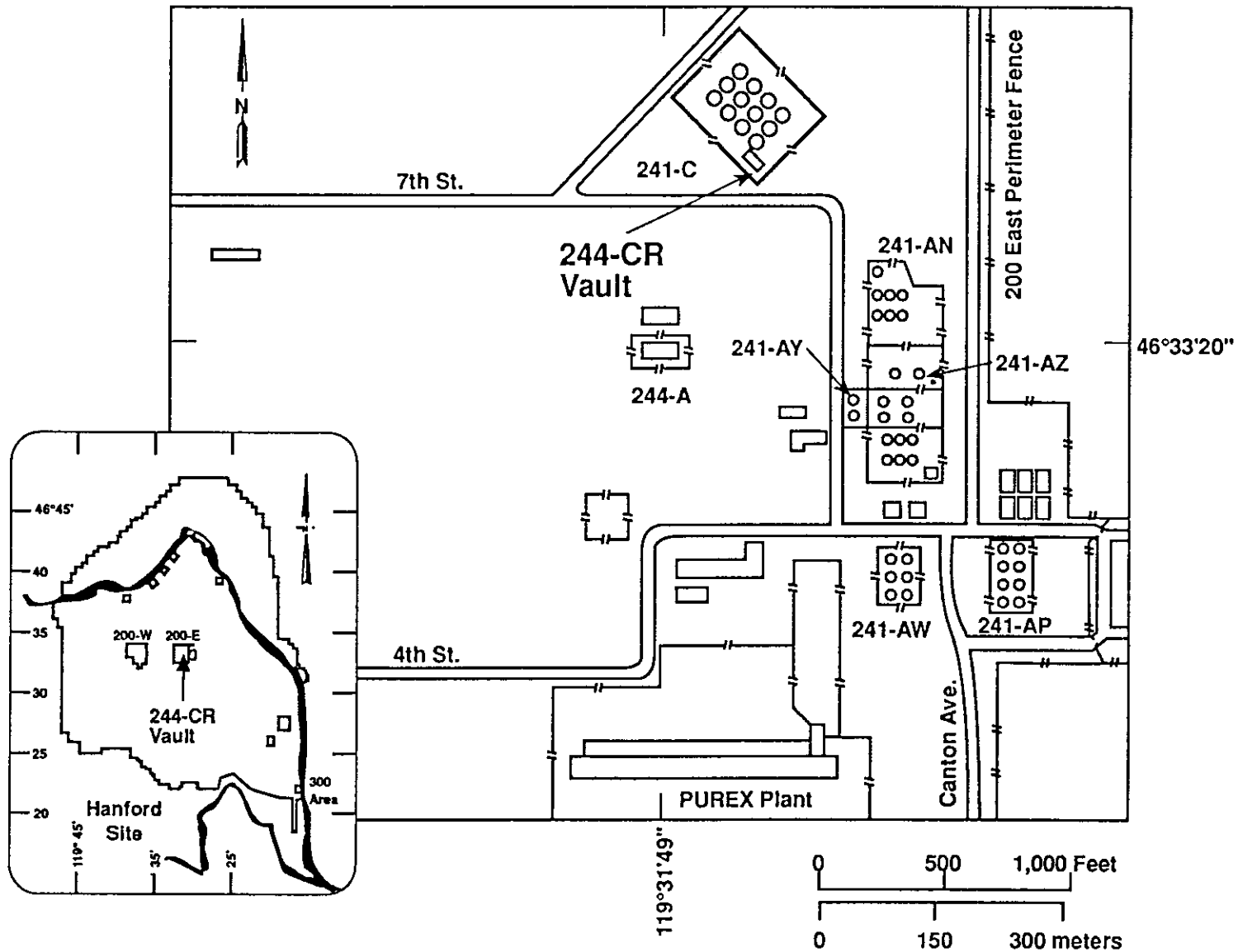
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244-CR Vault



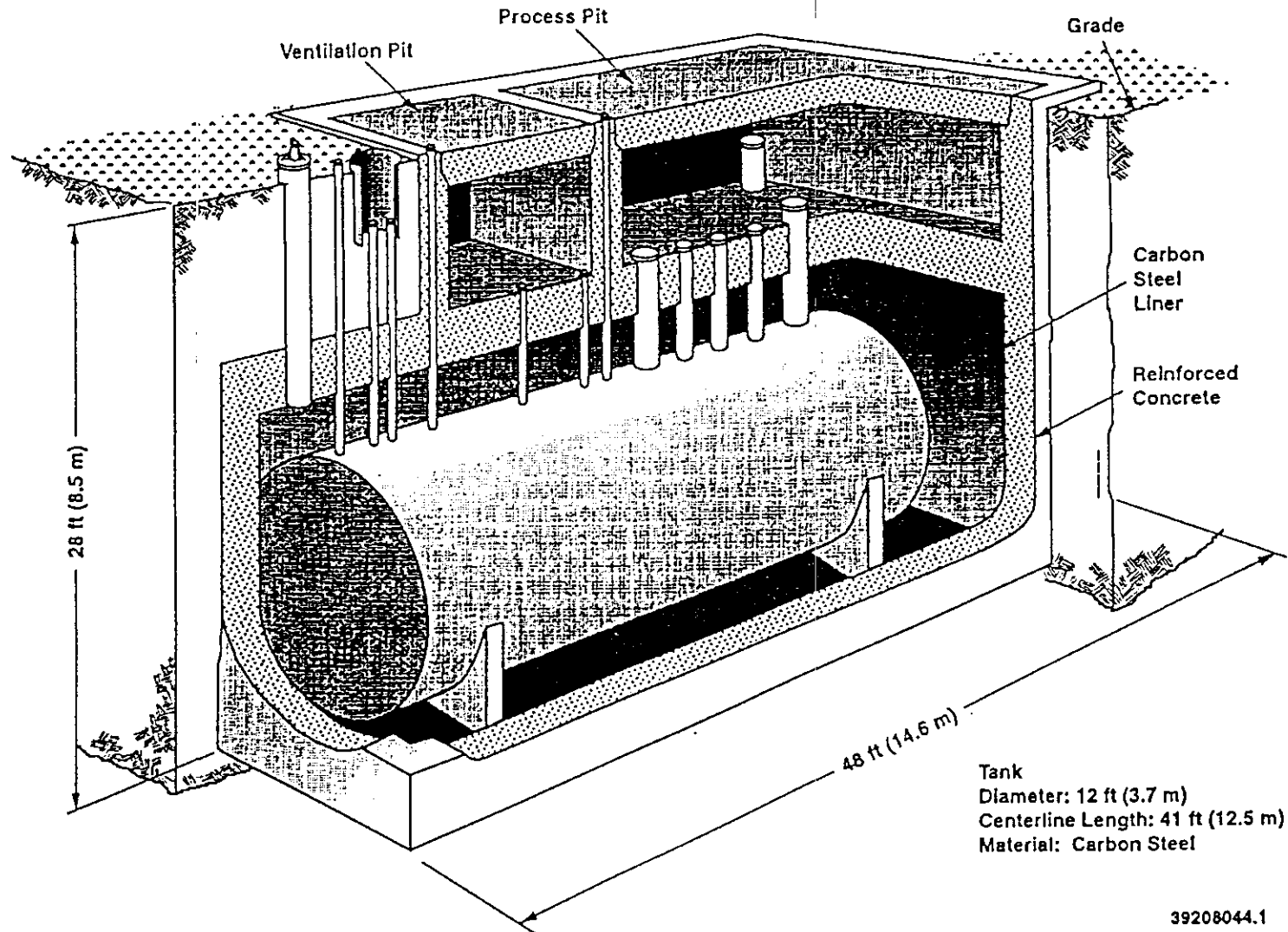
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244-CR Vault Site Plan



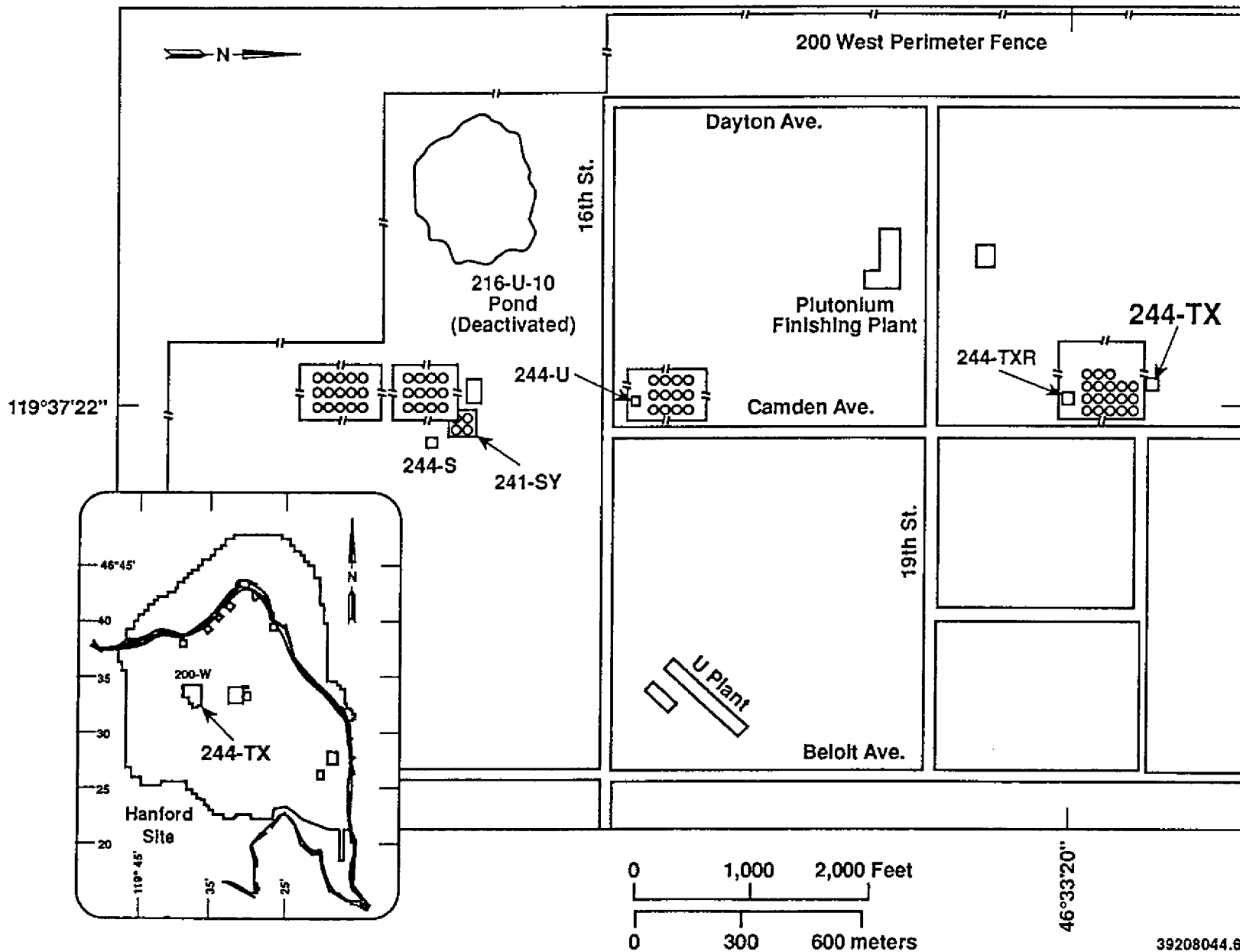
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TYPICAL DOUBLE-CONTAINED RECEIVER TANK

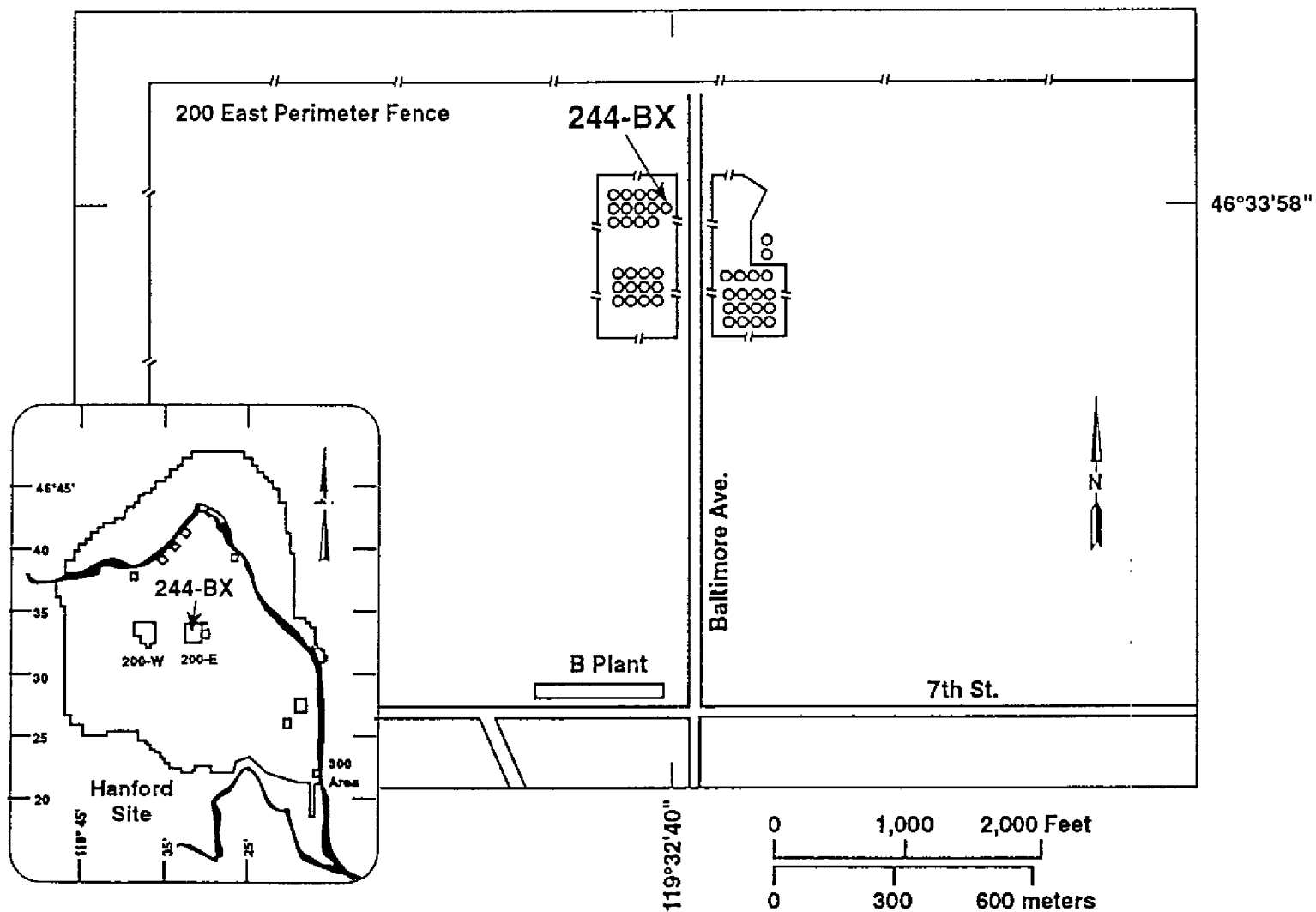


39208044.1

244-TX Double-Contained Receiver Tank Site Plan

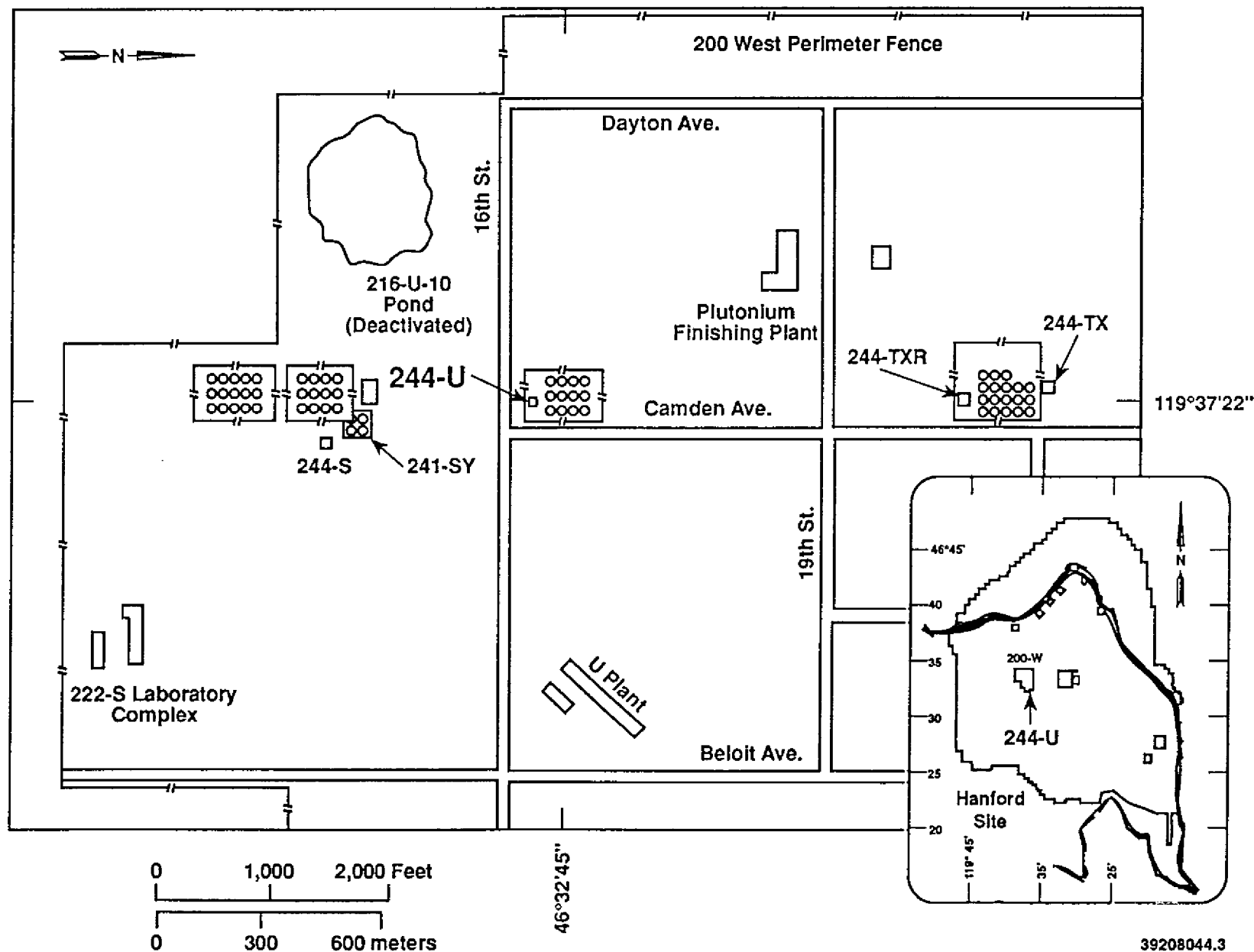


244-BX Double-Contained Receiver Tank Site Plan

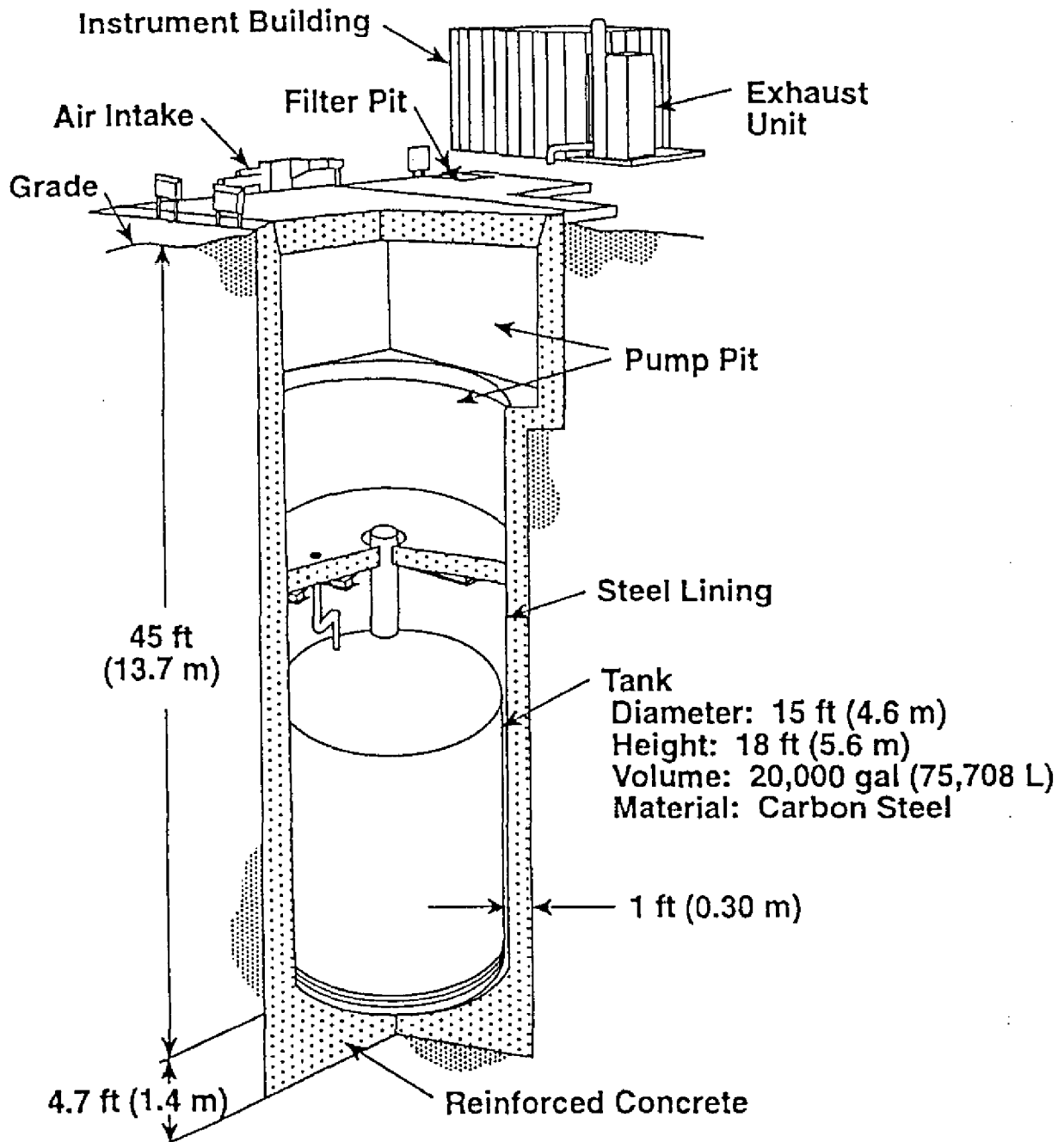


39208044.7

244-U Double-Contained Receiver Tank Site Plan

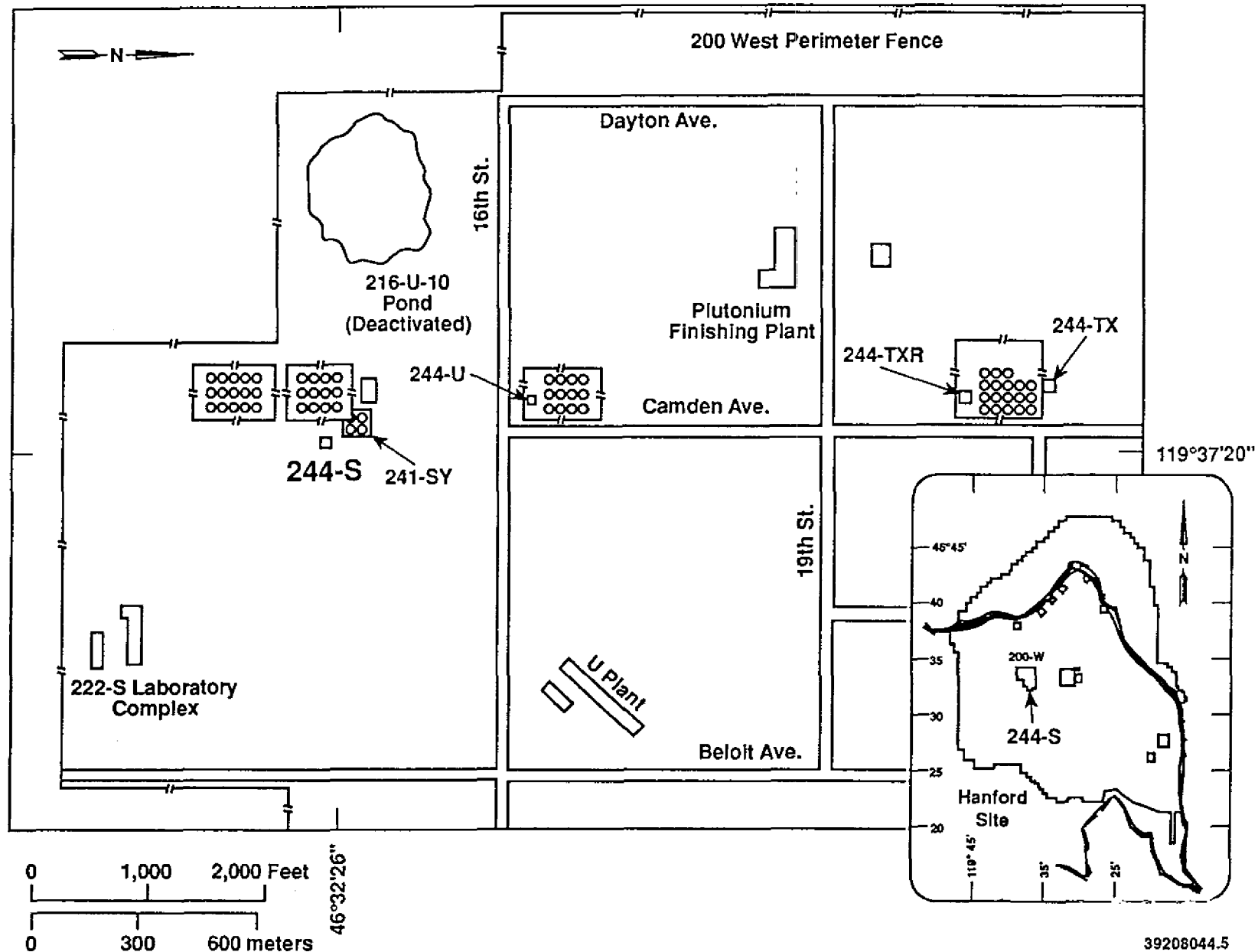


Typical Double-Contained Receiver Tank

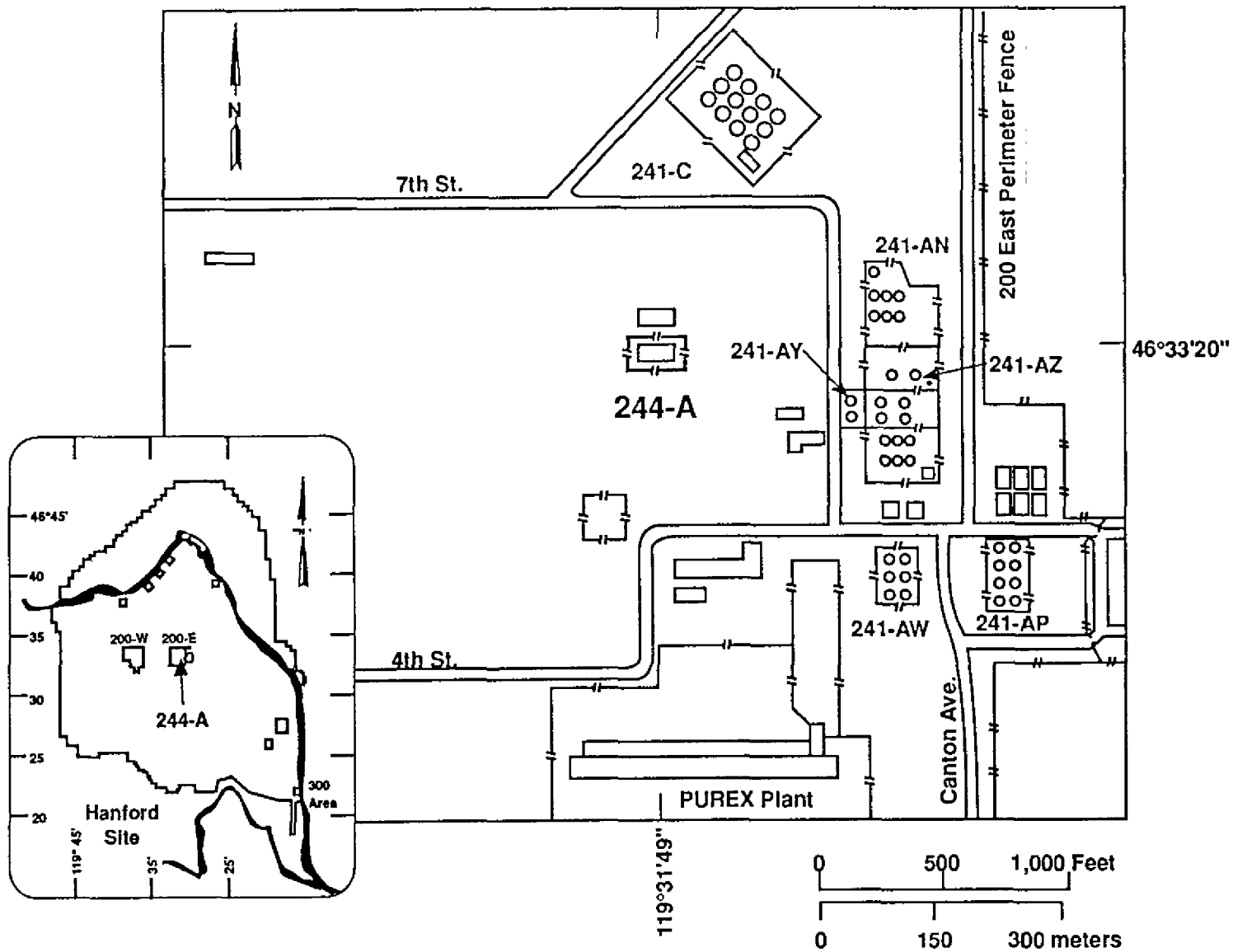


39208044.21

244-S Double-Contained Receiver Tank Site Plan

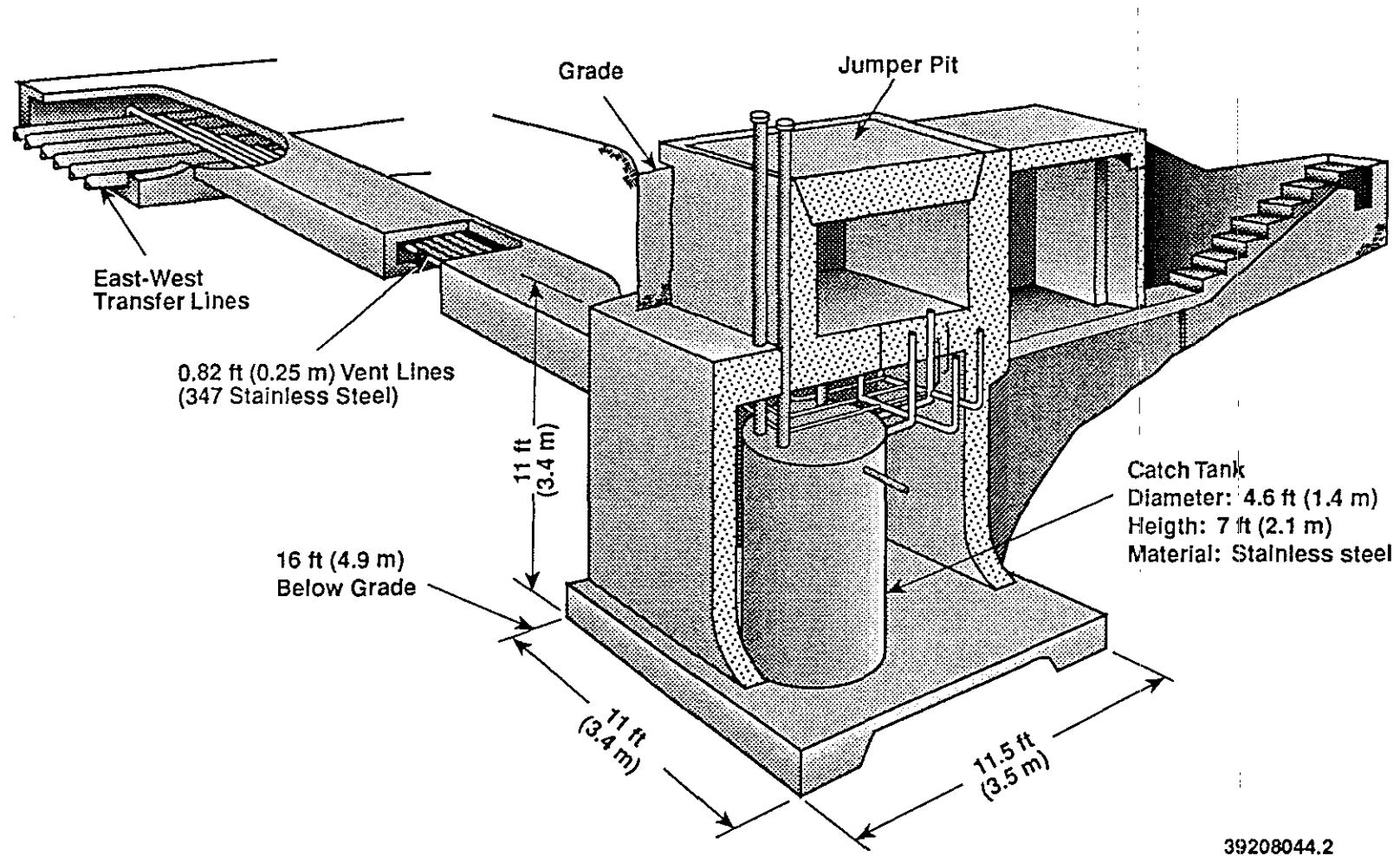


244-A Double-Contained Receiver Tank Site Plan

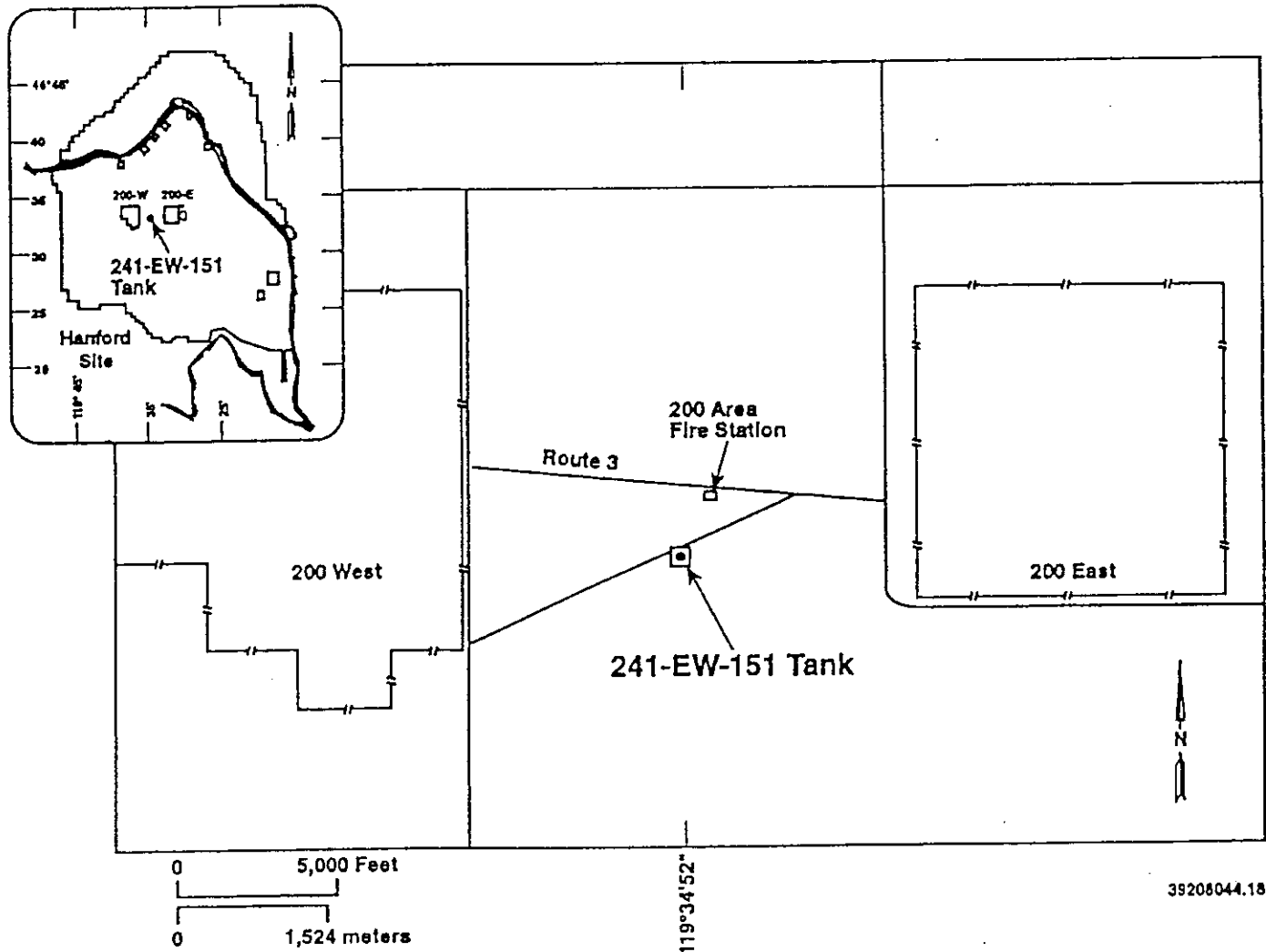


39208044.16

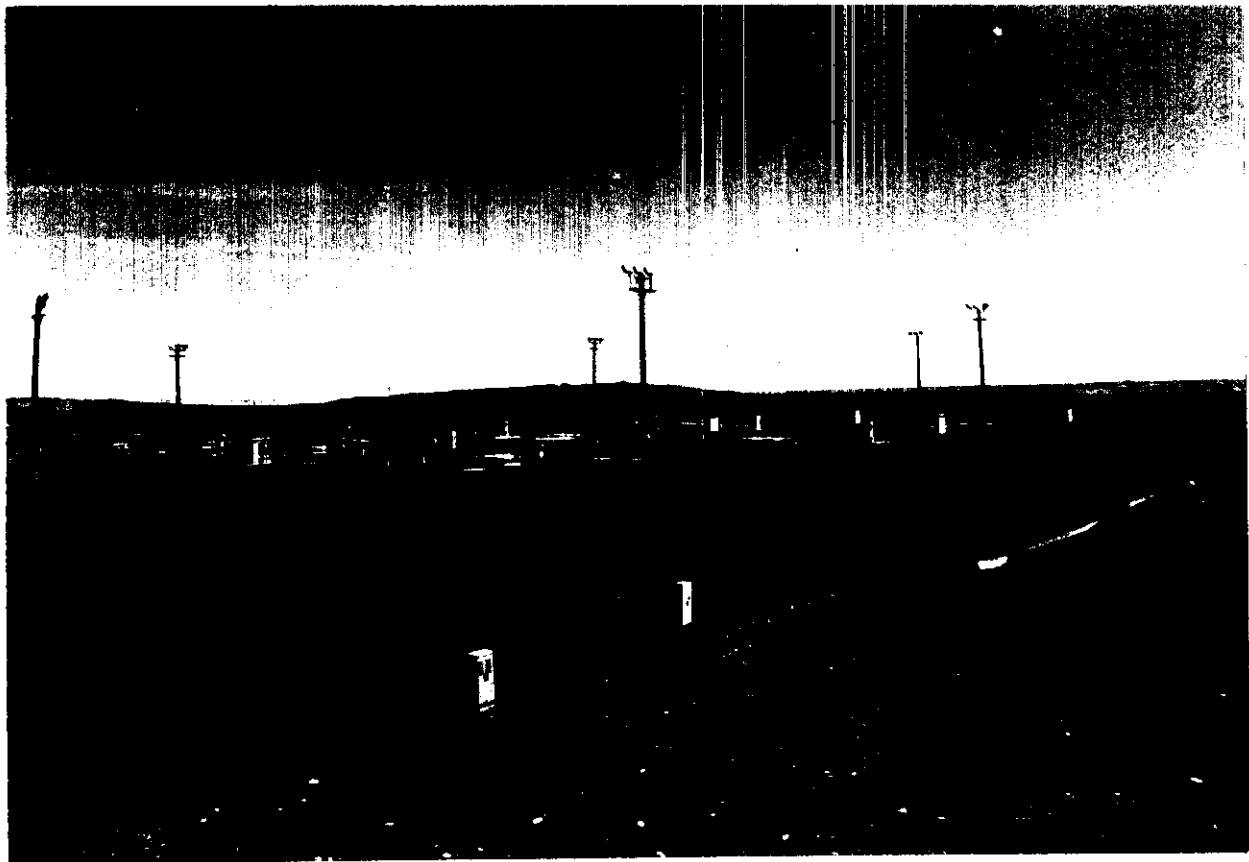
241-EW-151 TANK (200 AREA EAST-WEST VENT STATION)



241-EW-151 Tank (200 Area East-West Vent Station) Site Plan



241-AN DOUBLE-SHELL TANKS



46°33'25"
119°31'37"

8704135-8CN
(PHOTO TAKEN 1987)

241-AP DOUBLE-SHELL TANKS



46°33'7"
119°31'38"

8704135-12CN
(PHOTO TAKEN 1987)

241-AW DOUBLE-SHELL TANKS



46°33'7"
119°31'35"

8704135-11CN
(PHOTO TAKEN 1987)

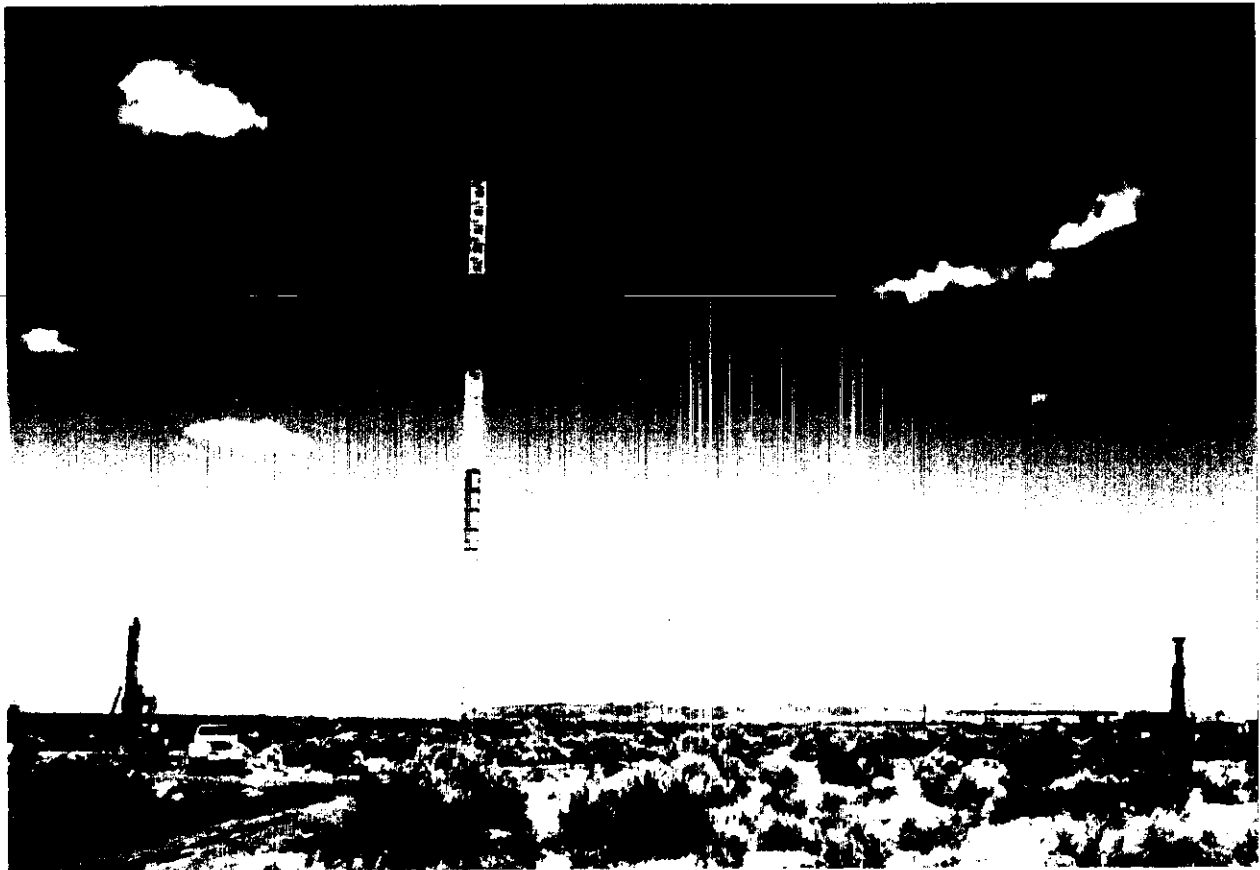
241-SY DOUBLE-SHELL TANKS



46°32'27"
119°37'21"

8704135-2CN
(PHOTO TAKEN 1987)

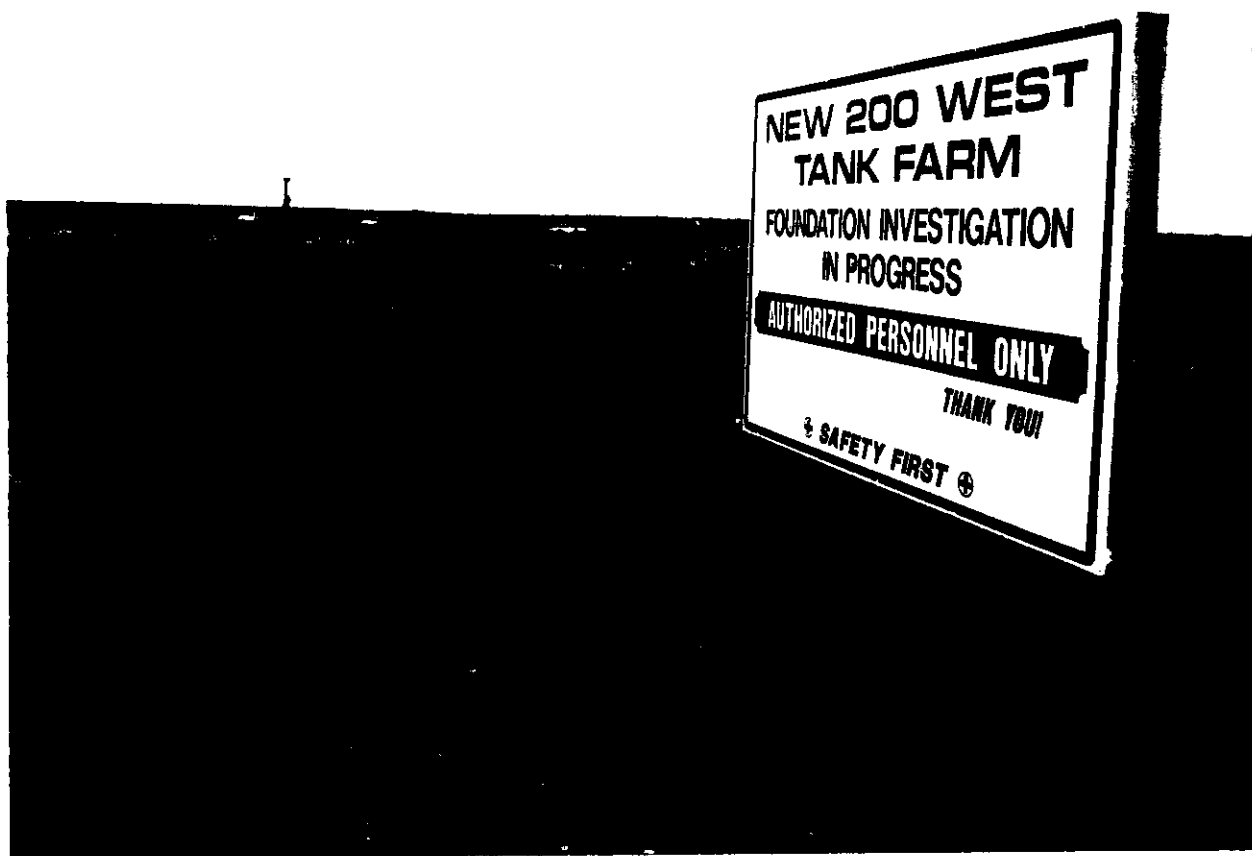
MULTI-FUNCTION WASTE TANK FACILITY 241-HN DOUBLE-SHELL TANKS SITE



46°33'27"
119°33'39"

93081137-1CN
(PHOTO TAKEN 1993)

MULTI-FUNCTION WASTE TANK FACILITY 241-SN DOUBLE-SHELL TANKS SITE



46°32'24"
119°36'48"

93120508-1CN
(PHOTO TAKEN 1993)

241-AY AGING WASTE DOUBLE-SHELL TANKS



46°33'17"
119°31'39"

8704135-10CN
(PHOTO TAKEN 1987)

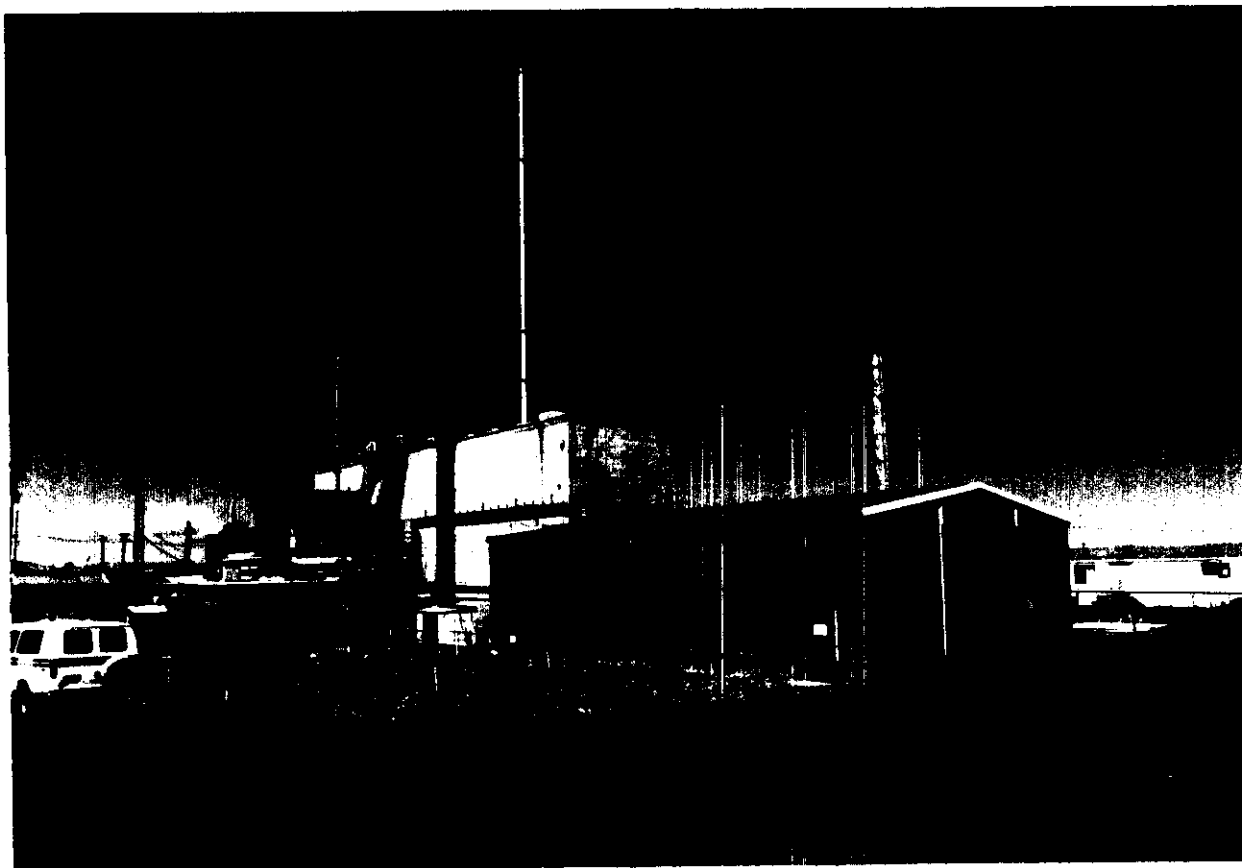
241-AZ AGING WASTE DOUBLE-SHELL TANKS



46°33'19"
119°31'35"

8704135-9CN
(PHOTO TAKEN 1987)

244-AR VAULTS



46°33'13"
119°31'45"

8704135-16CN
(PHOTO TAKEN 1987)

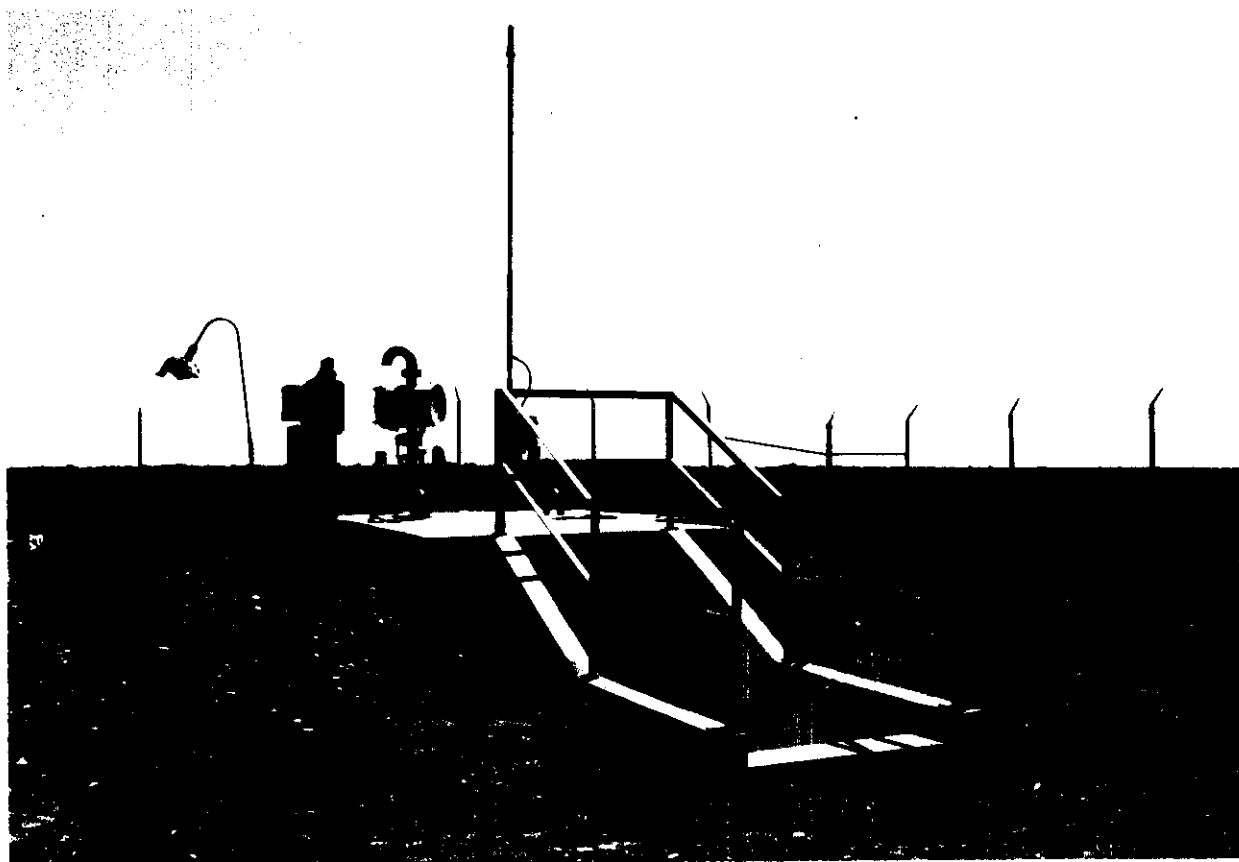
244-CR VAULTS



46°33'26"
119°31'47"

8704135-14CN
(PHOTO TAKEN 1987)

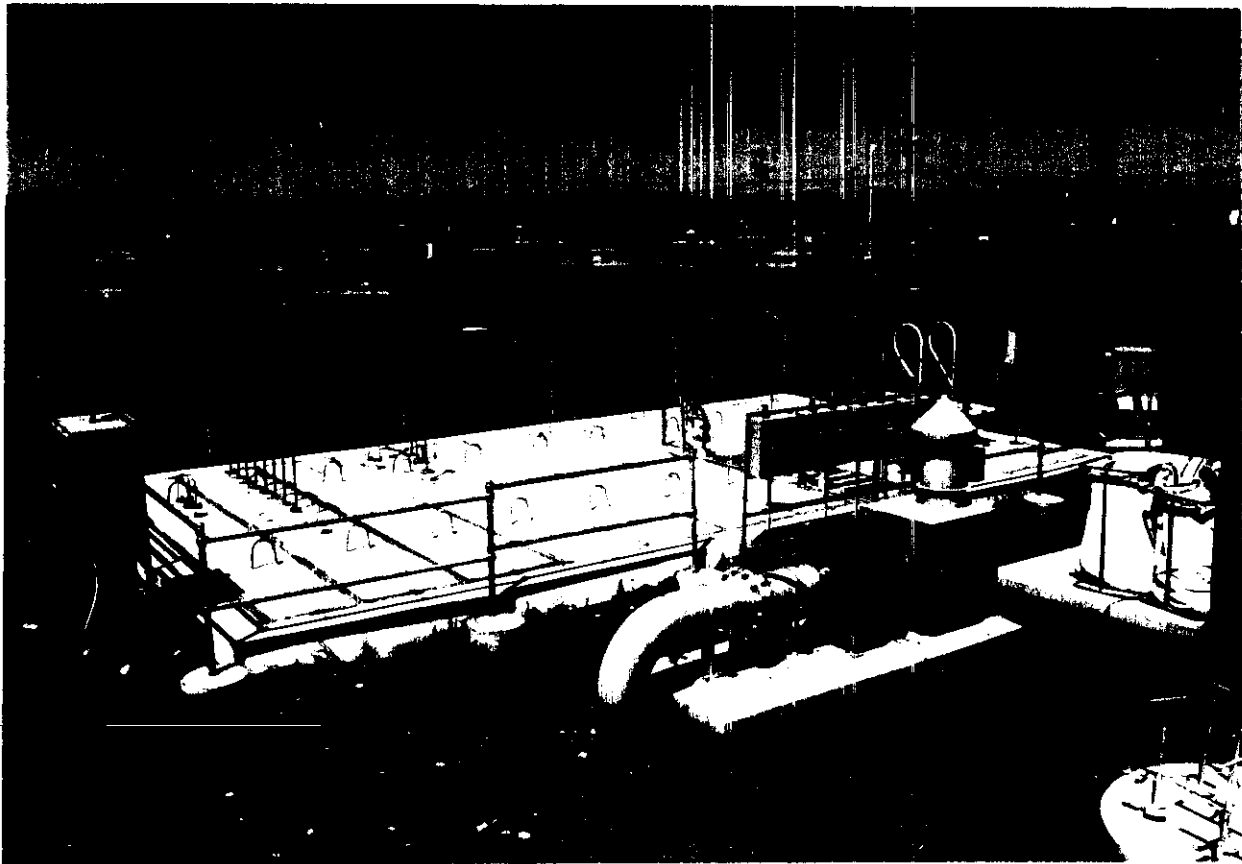
241-EW-151 TANK



46°32'46"
119°34'52"

8704433-17CN
(PHOTO TAKEN 1987)

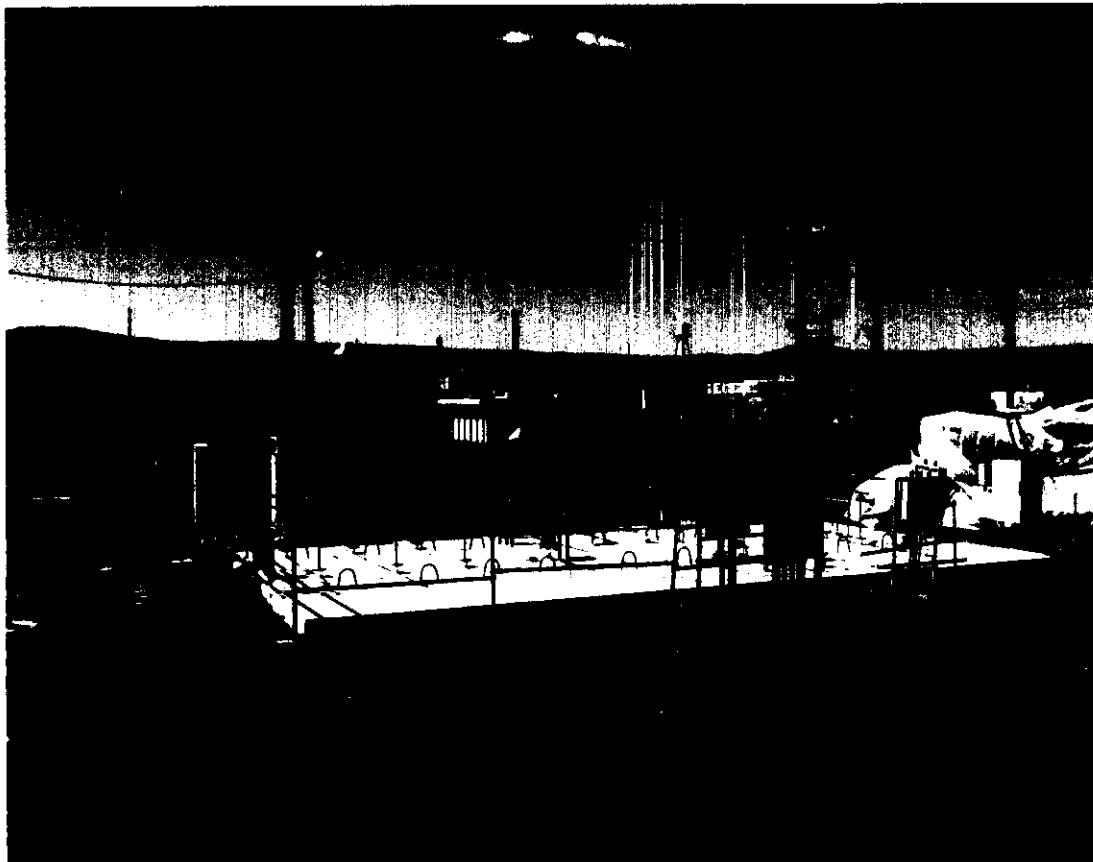
244-BX DOUBLE-CONTAINED RECEIVER TANK



46°33'58"
119°32'40"

8704135-18CN
(PHOTO TAKEN 1987)

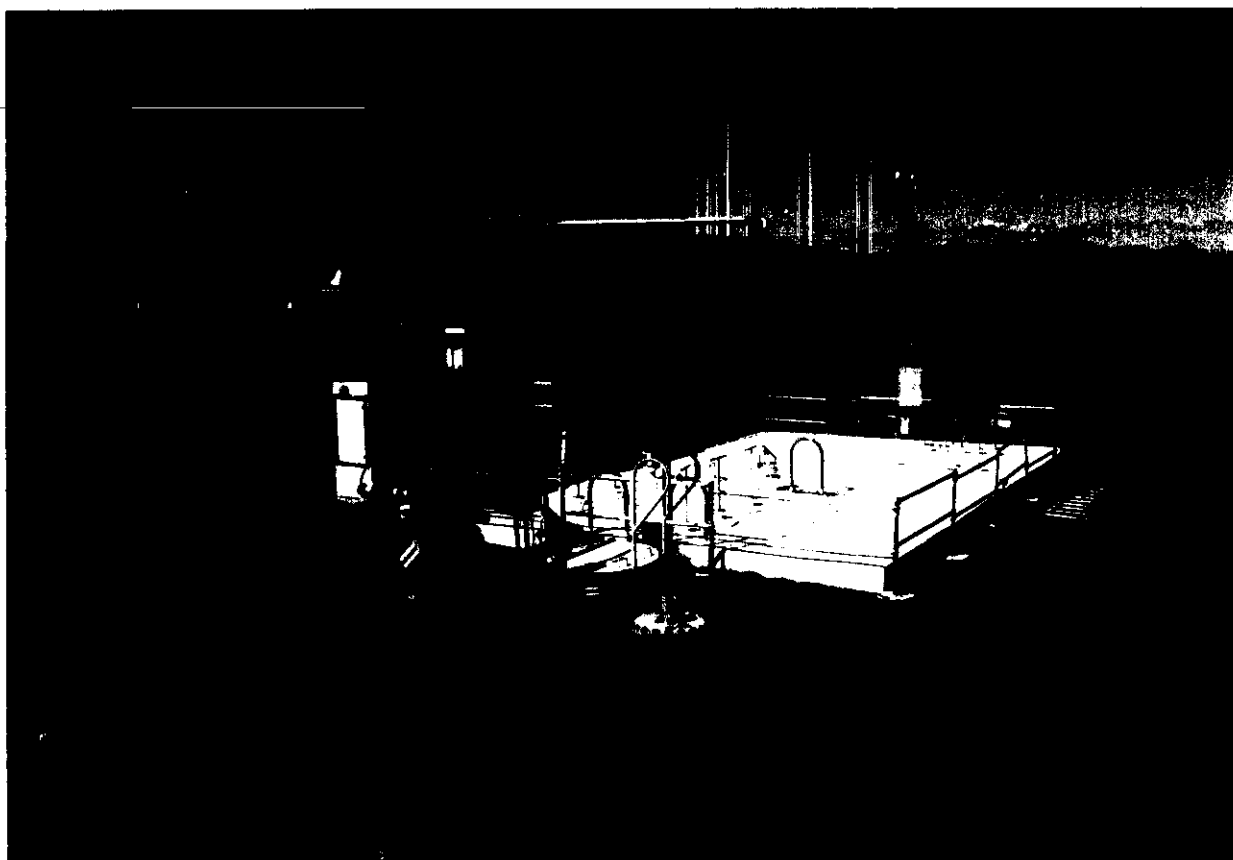
244-TX DOUBLE-CONTAINED RECEIVER TANK



46°33'20"
119°37'22"

8704135-7CN
(PHOTO TAKEN 1987)

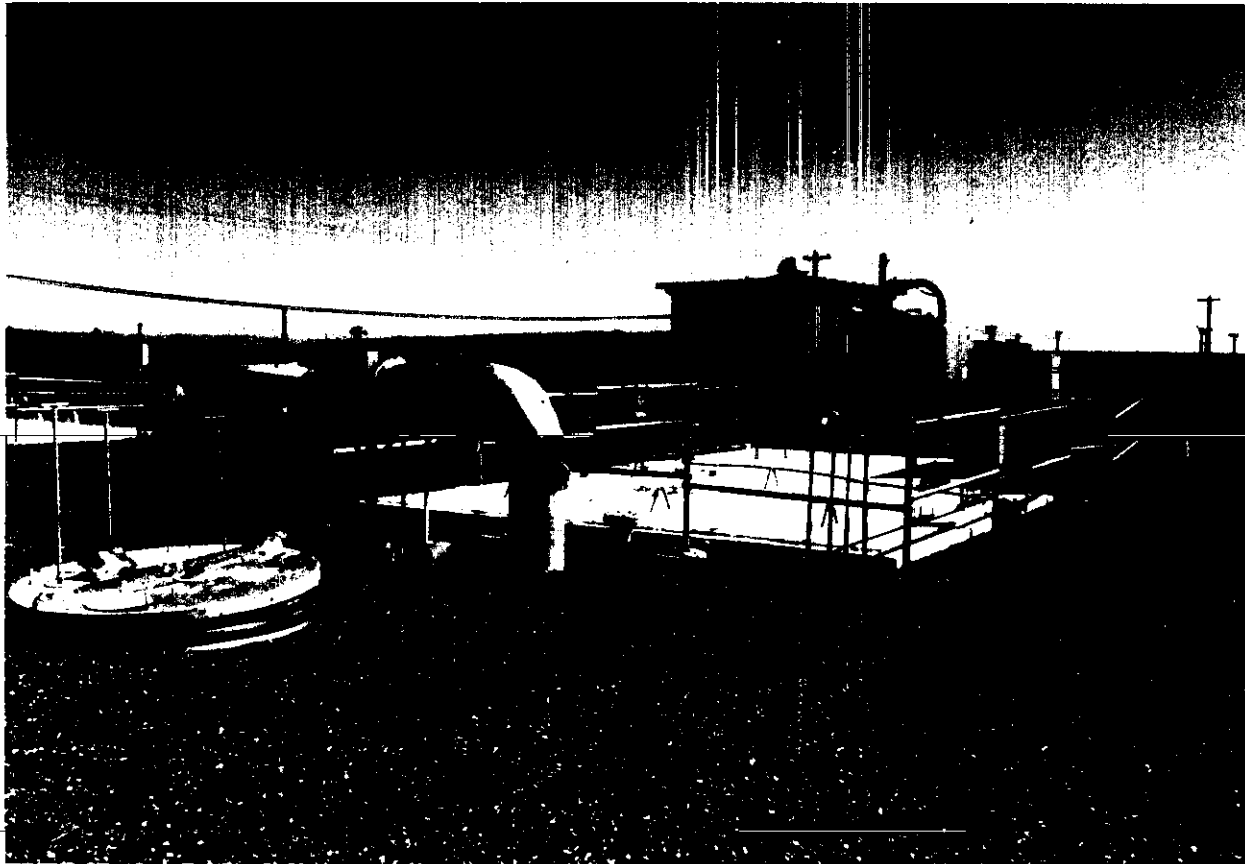
244-U DOUBLE-CONTAINED RECEIVER TANK



46°32'45"
119°37'22"

8704135-4CN
(PHOTO TAKEN 1987)

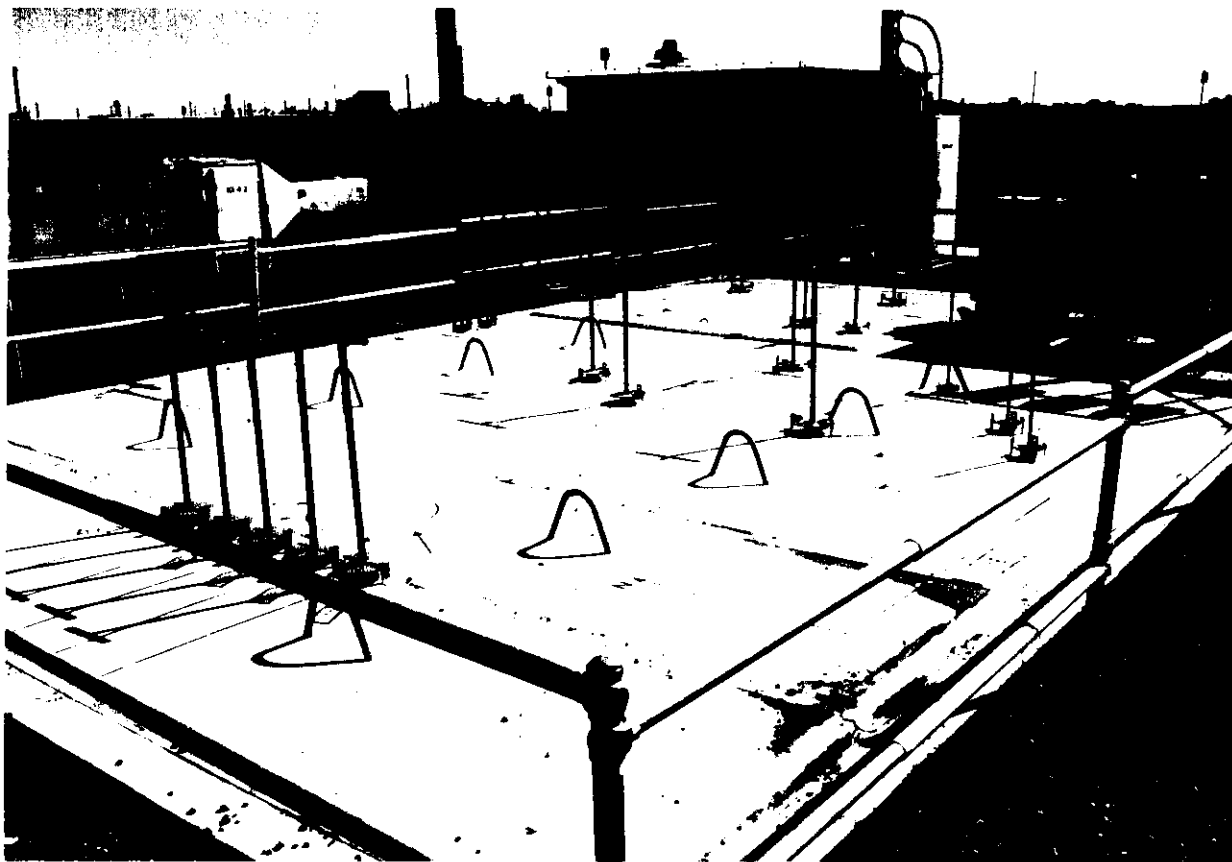
244-A DOUBLE-CONTAINED RECEIVER TANK



46°33'20"
119°31'49"

8704433-15CN
(PHOTO TAKEN 1987)

244-S DOUBLE-CONTAINED RECEIVER TANK



46°32'26"
119°37'20"

8704433-2CN
(PHOTO TAKEN 1987)

Please print or type in the unshaded areas only
(fill-in areas are spaced for elite type, i.e., 12 character/inch).

FORM 3	DANGEROUS WASTE PERMIT APPLICATION	1. EPA/STATE I.D. NUMBER <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:12.5%;">W</td><td style="width:12.5%;">A</td><td style="width:12.5%;">7</td><td style="width:12.5%;">8</td><td style="width:12.5%;">9</td><td style="width:12.5%;">0</td><td style="width:12.5%;">0</td><td style="width:12.5%;">0</td><td style="width:12.5%;">8</td><td style="width:12.5%;">9</td><td style="width:12.5%;">8</td><td style="width:12.5%;">7</td> </tr> </table>	W	A	7	8	9	0	0	0	8	9	8	7
W	A	7	8	9	0	0	0	8	9	8	7			

FOR OFFICIAL USE ONLY		
APPLICATION APPROVED	DATE RECEIVED (mo., day, & yr.)	COMMENTS

II. FIRST OR REVISED APPLICATION
Place an "X" in the appropriate box in A or B below (mark one box only) to indicate whether this is the first application you are submitting for your facility or a revised application. If this is your first application and you already know your facility's EPA/STATE I.D. Number, or if this is a revised application, enter your facility's EPA/STATE I.D. Number in Section I above.

A. FIRST APPLICATION (place an "X" below and provide the appropriate date)													
<input type="checkbox"/> 1. EXISTING FACILITY (See instructions for definition of "existing" facility. Complete item below.) <table border="1" style="display: inline-table; margin-right: 10px;"> <tr><td style="width: 20px;">MO.</td><td style="width: 20px;">DAY</td><td style="width: 20px;">YR.</td></tr> <tr><td style="text-align: center;">02</td><td style="text-align: center;">02</td><td style="text-align: center;">82</td></tr> </table> FOR EXISTING FACILITIES, PROVIDE THE DATE (mo., day, & yr.) OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (use the boxes to the left)	MO.	DAY	YR.	02	02	82	<input type="checkbox"/> 2. NEW FACILITY (Complete item below) <table border="1" style="display: inline-table; margin-right: 10px;"> <tr><td style="width: 20px;">MO.</td><td style="width: 20px;">DAY</td><td style="width: 20px;">YR.</td></tr> <tr><td style="height: 20px;"></td><td style="height: 20px;"></td><td style="height: 20px;"></td></tr> </table> FOR NEW FACILITIES, PROVIDE THE DATE (mo., day, & yr.) OPERATION BEGAN OR IS EXPECTED TO BEGIN	MO.	DAY	YR.			
MO.	DAY	YR.											
02	02	82											
MO.	DAY	YR.											
B. REVISED APPLICATION (place an "X" below and complete Section I above)													
<input checked="" type="checkbox"/> 1. FACILITY HAS AN INTERIM STATUS PERMIT	<input type="checkbox"/> 2. FACILITY HAS A FINAL PERMIT												

III. PROCESSES - CODES AND CAPACITIES

A. PROCESS CODE - Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided for entering codes. If more lines are needed, enter the code(s) in the space provided. If a process will be used that is not included in the list of codes below, then describe the process (including its design capacity) in the space provided on the (Section III-C).

B. PROCESS DESIGN CAPACITY - For each code entered in column A enter the capacity of the process.

1. AMOUNT - Enter the amount.

2. UNIT OF MEASURE - For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY	PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage:			Treatment:		
CONTAINER (barrel, drum, etc)	S01	GALLONS OR LITERS	TANK	T01	GALLONS PER DAY OR LITERS PER DAY
TANK	S02	GALLONS OR LITERS	SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS	INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR; GALLONS PER HOUR OR LITERS PER HOUR
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS	OTHER (Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided; Section III-C.)	T04	GALLONS PER DAY OR LITERS PER DAY
Disposal:					
INJECTION WELL	D80	GALLONS OR LITERS			
LANDFILL	D81	ACRE-FEET (the volume that would cover one acre to a depth of one foot) OR HECTARE-METER			
LAND APPLICATION	D82	ACRES OR HECTARES			
OCEAN DISPOSAL	D83	GALLONS PER DAY OR LITERS PER DAY			
SURFACE IMPOUNDMENT	D84	GALLONS OR LITERS			
UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE CODE
GALLONS	G	LITERS PER DAY	V	ACRE-FEET	A
LITERS	L	TONS PER HOUR	D	HECTARE-METER	F
CUBIC YARDS	Y	METRIC TONS PER HOUR	W	ACRES	B
CUBIC METERS	C	GALLONS PER HOUR	E	HECTARES	Q
GALLONS PER DAY	U	LITERS PER HOUR	H		

EXAMPLE FOR COMPLETING SECTION III (shown in line numbers X-1 and X-2 below): A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.

LINE NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY		FOR OFFICIAL USE ONLY	LINE NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY		FOR OFFICIAL USE ONLY
		1. AMOUNT (specify)	2. UNIT OF MEASURE (enter code)				1. AMOUNT (specify)	2. UNIT OF MEASURE (enter code)	
X-1	S 0 2	600	G		5				
X-2	T 0 3	20	E		6				
1	T 0 4	50,000	U		7				
2					8				
3					9				
4					10				

Continued from the front.

III. PROCESSES (continued)

C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESS (code "T04"). FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

T04

The 204-AR Waste Unloading Station receives liquid mixed waste transported in 20,000-gallon (76,000-liter) capacity railroad tank cars or in 5,000 gallon (18,900 liter) tank trucks. Mixed waste is generated from decontamination and regeneration operations in the 100 and 200 Areas; from recovery and laboratory operations in the 200 and 300 Areas; and from decontamination operations in the 400 Area. The liquid mixed waste is transferred to the Double-Shell Tank (DST) System. The waste is chemically adjusted in-line during pumpout to meet DST System corrosion specifications. The in-line treatment design capacity (under item III.B.1.) of 50,000 gallons (189,000 liters) per day includes two railroad tank cars at 20,000 gallons (76,000 liters) each and an additional 10,000 gallons (38,000 liters) of liquid waste generated as a result of flushing the system.

IV. DESCRIPTION OF DANGEROUS WASTES

- A. DANGEROUS WASTE NUMBER - Enter the four digit number from Chapter 173-303 WAC for each listed dangerous waste you will handle. If you handle dangerous wastes which are not listed in Chapter 173-303 WAC, enter the four digit number(s) that describes the characteristics and/or the toxic contaminants of those dangerous wastes.
- B. ESTIMATED ANNUAL QUANTITY - For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.
- C. UNIT OF MEASURE - For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:

For listed dangerous waste: For each listed dangerous waste entered in column A select the code(s) from the list of process codes contained in Section III to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed dangerous wastes: For each characteristic or toxic contaminant entered in Column A, select the code(s) from the list of process codes contained in Section III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed dangerous wastes that possess that characteristic or toxic contaminant.

Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: DANGEROUS WASTES DESCRIBED BY MORE THAN ONE DANGEROUS WASTE NUMBER - Dangerous wastes that can be described by more than one Waste Number shall be described on the form as follows:

- Select one of the Dangerous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
- In column A of the next line enter the other Dangerous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.
- Repeat step 2 for each other Dangerous Waste Number that can be used to describe the dangerous waste.

EXAMPLE FOR COMPLETING SECTION IV (shown in line numbers X-1, X-2, X-3, and X-4 below) - A facility will treat and dispose of an estimated 900 pounds per year of chrome-shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES	
				1. PROCESS CODES (enter)	2. PROCESS DESCRIPTION (if a code is not entered in D(1))
X-1	K 0 5 4	900	P	T 0 3 D 8 0	
X-2	D 0 0 2	400	P	T 0 3 D 8 0	
X-3	D 0 0 1	100	P	T 0 3 D 8 0	
X-4	D 0 0 2			T 0 3 D 8 0	included with above

Continued from page 2.

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 8 9 6 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES	
				1. PROCESS CODES (enter)	2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	D 0 0 1	15,600,000	P	T04	Treatment-Other-Chemical Treatment
2	D 0 0 2				
3	D 0 0 3				
4	D 0 0 4				
5	D 0 0 5				
6	D 0 0 6				
7	D 0 0 7				
8	D 0 0 8				
9	D 0 0 9				
10	D 0 1 0				
11	D 0 1 1				
12	D 0 1 8				
13	D 0 1 9				
14	D 0 2 2				
15	D 0 2 8				
16	D 0 2 9				
17	D 0 3 0				
18	D 0 3 3				
19	D 0 3 4				
20	D 0 3 5				
21	D 0 3 6				
22	D 0 3 8				
23	D 0 3 9				
24	D 0 4 0				
25	D 0 4 1				
26	D 0 4 3				

Continued from page 2.

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 8 9 6 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)				B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES				
							1. PROCESS CODES (enter)				2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	W	T	0	1		P	T04				Treatment-Other-Chemical Treatment
2	W	T	0	2							
3	W	C	0	2							
4	W	P	0	1							
5	W	P	0	2							
6	F	0	0	1							
7	F	0	0	2							
8	F	0	0	3							
9	F	0	0	4							
10	F	0	0	5							
11	F	0	3	9							Included With Above
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											

Continued from the front.

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM SECTION D(1) ON PAGE 3.

The 204-AR Waste Unloading Station is used for the treatment of liquid mixed waste that might exhibit the characteristic of corrosivity (D002, pH greater than or equal to 12.5) following the addition of caustic chemicals (sodium hydroxide and sodium nitrite). The waste is treated in-line at the 204-AR Waste Unloading Station to make the waste amenable for storage in the DST System.

The waste identified in Section IV.A has the potential for being transported to the 204-AR Waste Unloading Station, treated, and transferred to the DST System. The mixed waste consists of listed waste, characteristic waste (D001, D002, and D003), toxic constituents (D004 through D011, D018, D019, D022, D028 through D030, D033 through D036, D038 through D041, and D043), nonspecific source waste (F001 through F005, and F039 as defined below), and state-only waste (WT01, WT02, WC02, WP01, and WP02). Multi-source leachate (F039) is included as a waste derived from nonspecific source wastes F001 through F005.

V. FACILITY DRAWING

All existing facilities must include in the space provided on page 5 a scale drawing of the facility (see instructions for more detail).

VI. PHOTOGRAPHS

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas (see instructions for more detail).

VII. FACILITY GEOGRAPHIC LOCATION

This information is provided on the attached drawings and photos.

LATITUDE (degrees, minutes, & seconds)

LONGITUDE (degrees, minutes, & seconds)

VIII. FACILITY OWNER

☒ A. If the facility owner is also the facility operator as listed in Section VII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.

B. If the facility owner is not the facility operator as listed in Section VII on Form 1, complete the following items:

1. NAME OF FACILITY'S LEGAL OWNER

2. PHONE NO. (area code & no.)

3. STREET OR P.O. BOX

4. CITY OR TOWN

5. ST.

6. ZIP CODE

IX. OWNER CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

NAME (print or type)

John D. Wagoner, Manager
U.S. Department of Energy
Richland Operations Office

SIGNATURE

John D. Wagoner

DATE SIGNED

11/4/94

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

NAME (print or type)

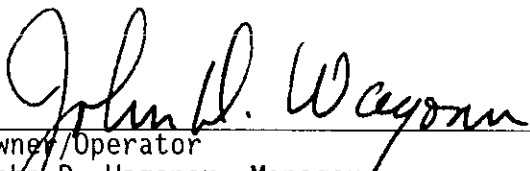
SEE ATTACHMENT

SIGNATURE

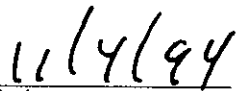
DATE SIGNED

X. OPERATOR CERTIFICATION

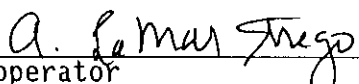
I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.



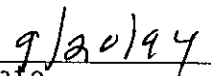
Owner/Operator
John D. Wagoner, Manager
U.S. Department of Energy
Richland Operations Office



Date

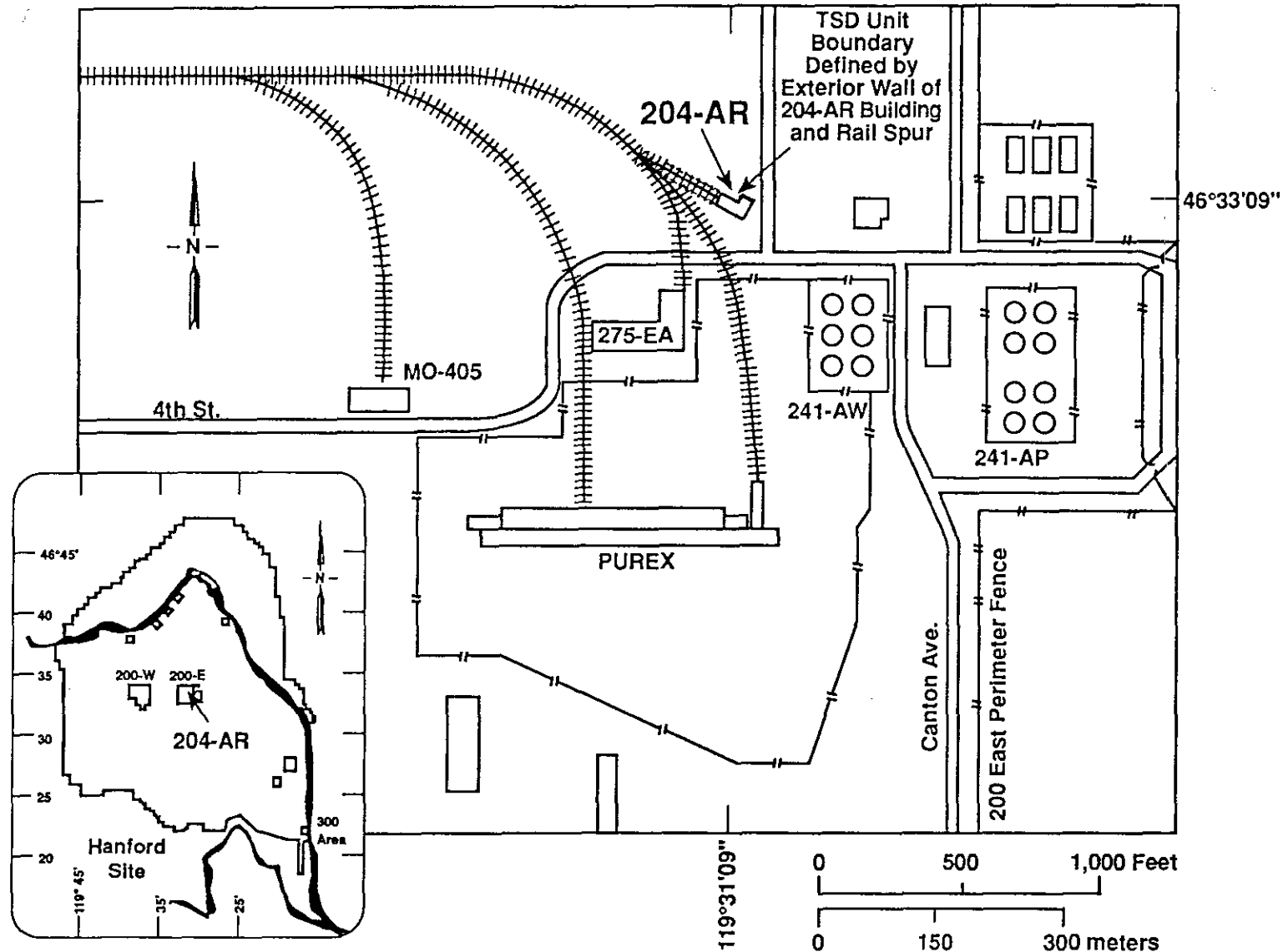


Co-operator
A. LaMar Trego, President
Westinghouse Hanford Company



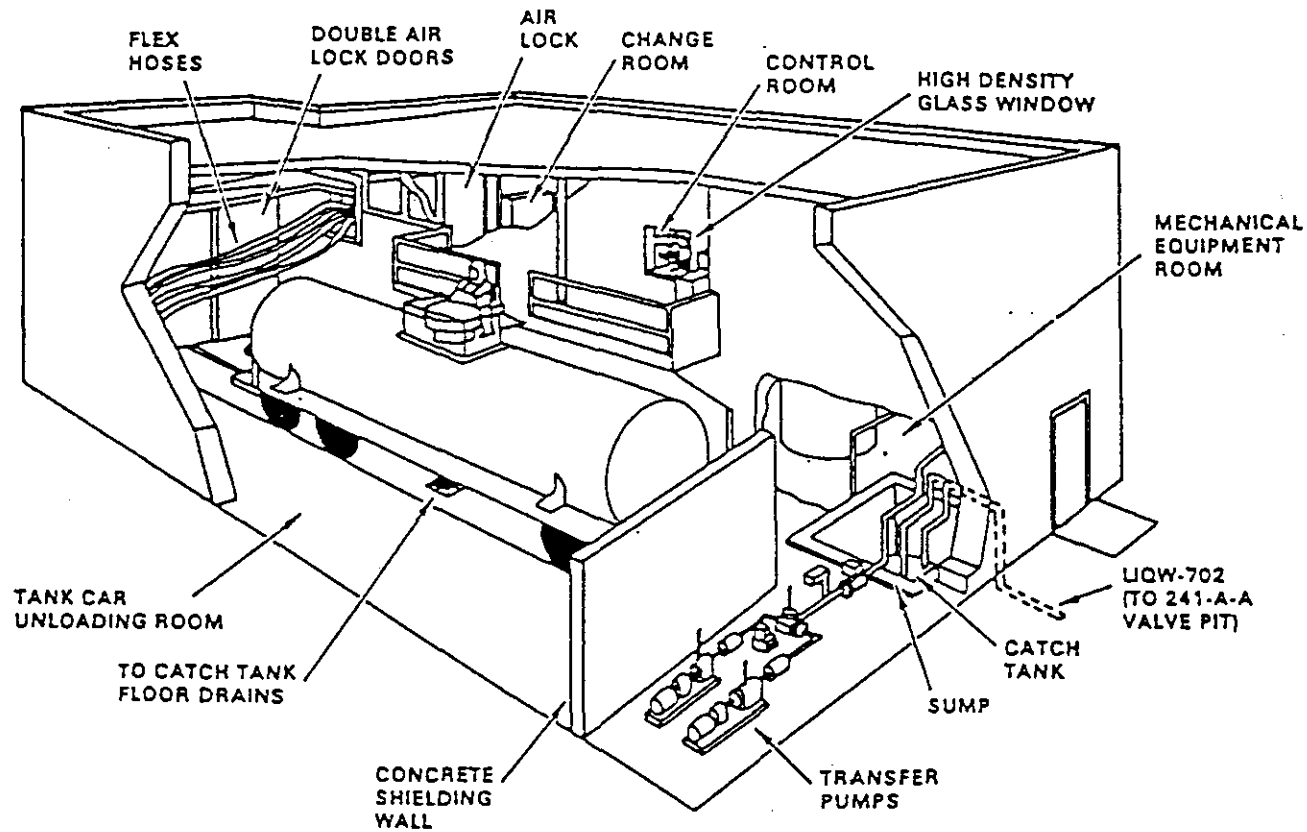
Date

204-AR Building Waste Unloading Station Site Plan



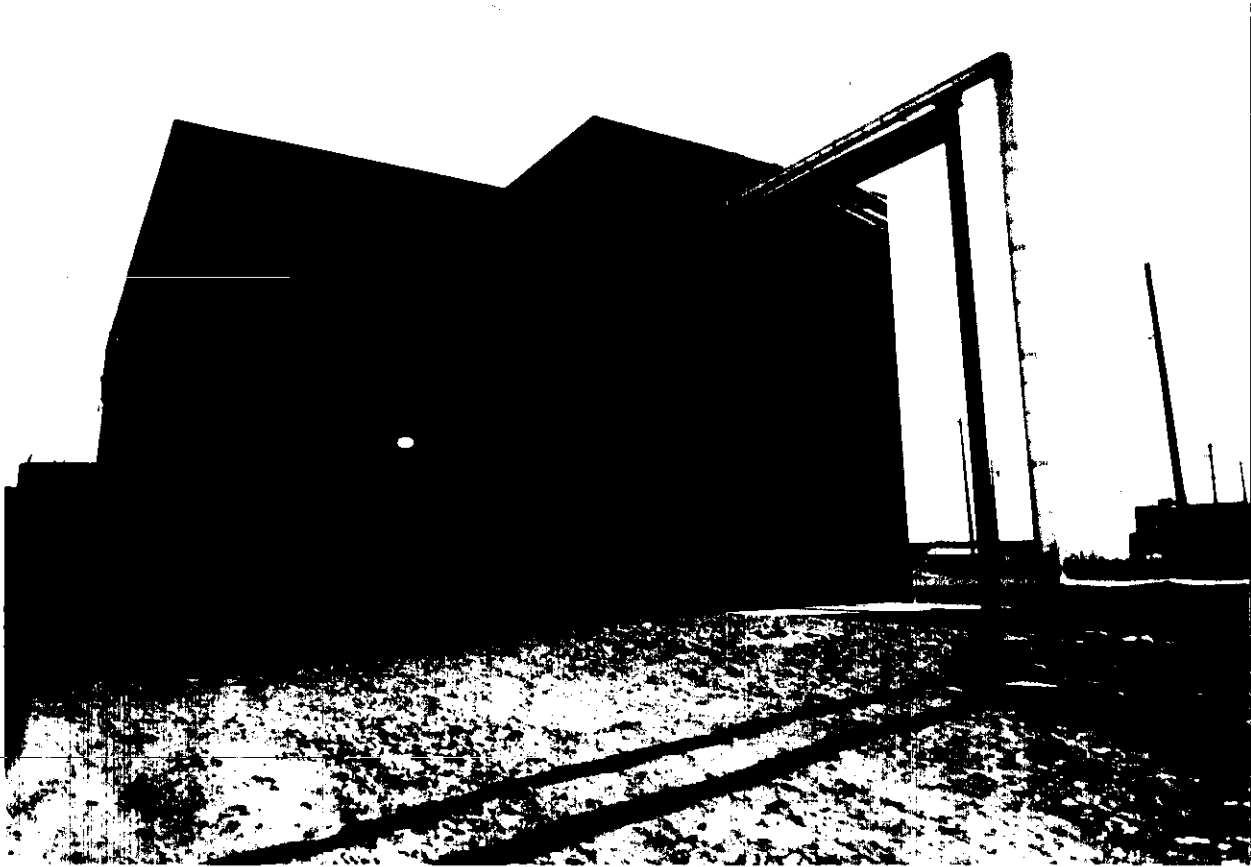
H9408030.13

204-AR WASTE UNLOADING STATION CUTAWAY VIEW



2P88710-18

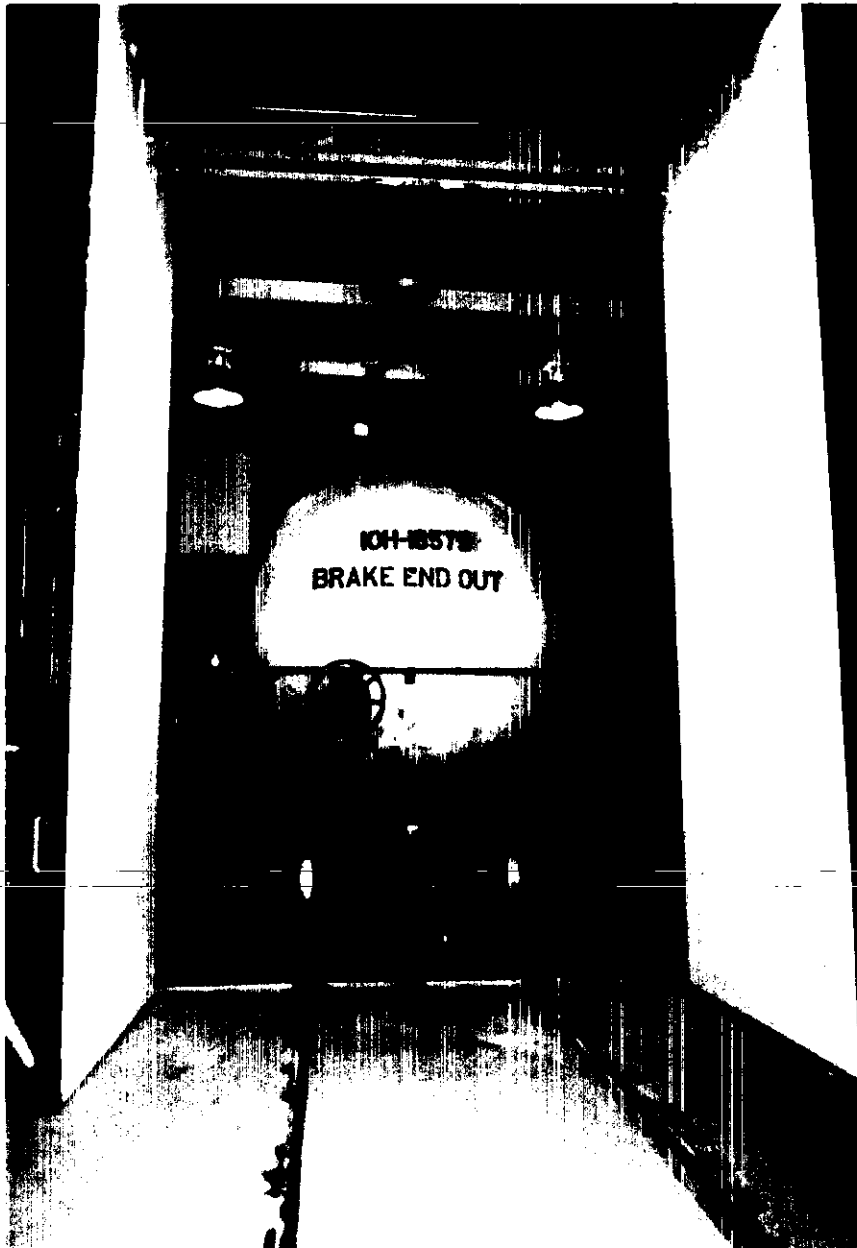
204-AR WASTE UNLOADING STATION



46°33'09"
119°31'09"

8706421-18CN
(PHOTO TAKEN 1987)

204-AR WASTE UNLOADING STATION - INTERNAL VIEW



TYPICAL RAILROAD TANK CAR UNLOADING

46°33'09"
119°31'09"

8706421-16CN
(PHOTO TAKEN 1987)

Continued from the front.

III. PROCESSES (continued)

C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESS (code "T04"). FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

D81

The Low-level Retrievable Storage Units (D81) were storage facilities that were used to store 55 gallon (208 liter) drums or boxes containing mixed wastes. Waste containers were stored on underground asphalt pads and plywood-lined underground trenches. An earthen cover over the trenches provided radiological protection.

The Low-Level Burial Grounds consists of two types of trenches; RCRA compliant trenches, and past practice trenches. The RCRA compliant trenches have either liners and leachate collection systems, or use alternative technologies such as high integrity packaging. The past practice trenches were used for mixed waste disposal prior to regulation, and continue to be used on a case-by-case basis for the disposal of remote-handled mixed waste packages. Disposal of remote-handled mixed waste packages in past practice trenches require notification to the Washington State Department of Ecology.

The waste handled at the above-mentioned facilities are generated by many different operations, both on and off the Hanford Facility.

The process design capacity for mixed waste in the LLBG is 950 acre-feet (1,171,825 cubic meters) of which 750 acre-feet (925,125 cubic meters) is dedicated solely for the disposal of submarine reactor compartments.

IV. DESCRIPTION OF DANGEROUS WASTES

- A. DANGEROUS WASTE NUMBER - Enter the four digit number from Chapter 173-303 WAC for each listed dangerous waste you will handle. If you handle dangerous wastes which are not listed in Chapter 173-303 WAC, enter the four digit number(s) that describes the characteristics and/or the toxic contaminants of those dangerous wastes.
- B. ESTIMATED ANNUAL QUANTITY - For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.
- C. UNIT OF MEASURE - For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:

For listed dangerous waste: For each listed dangerous waste entered in column A select the code(s) from the list of process codes contained in Section III to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed dangerous wastes: For each characteristic or toxic contaminant entered in Column A, select the code(s) from the list of process codes contained in Section III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed dangerous wastes that possess that characteristic or toxic contaminant.

Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: DANGEROUS WASTES DESCRIBED BY MORE THAN ONE DANGEROUS WASTE NUMBER - Dangerous wastes that can be described by more than one Waste Number shall be described on the form as follows:

- Select one of the Dangerous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
- In column A of the next line enter the other Dangerous Waste Number that can be used to describe the waste. In column D(2) on that line enter "Included with above" and make no other entries on that line.
- Repeat step 2 for each other Dangerous Waste Number that can be used to describe the dangerous waste.

EXAMPLE FOR COMPLETING SECTION IV (shown in line numbers X-1, X-2, X-3, and X-4 below) - A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an Incinerator and disposal will be in a landfill.

LINE NO.	A. DANGEROUS WASTE NO. (enter code)				B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)		D. PROCESSES									
								1. PROCESS CODES (enter)					2. PROCESS DESCRIPTION (if a code is not entered in D(1))				
X-1	K	0	5	4	900	P		T	0	3	D	8	0				
X-2	D	0	0	2	400	P		T	0	3	D	8	0				
X-3	D	0	0	1	100	P		T	0	3	D	8	0				
X-4	D	0	0	2				T	0	3	D	8	0				Included with above

Continued from page 2.

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)														
W A 7 8 9 0 0 0 8 9 0 7														
IV. DESCRIPTION OF DANGEROUS WASTES (continued)														
LINE NO.	A. DANGEROUS WASTE NO. (enter code)				B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES							
							1. PROCESS CODES (enter)				2. PROCESS DESCRIPTION (if a code is not entered in D(1))			
1	D	0	0	1	10,000	P	D81						Disposal/Storage**	
2	D	0	0	2	500									
3	D	0	0	3	500									
4	D	0	0	4	500									
5	D	0	0	5	500									
6	D	0	0	6	500									
7	D	0	0	7	500									
8	D	0	0	8	18,000,000*									
9	D	0	0	9	500									
10	D	0	1	0	500									
11	D	0	1	1	500									
12	W	T	0	1	18,800,000*									
13	W	T	0	2	80,000									
14	W	P	0	1	8,000									
15	W	P	0	2										
16	W	P	0	3										
17	W	C	0	2	16,000								Included With Above	
18	F	0	0	1	8,000								Retrievable Storage**	
19	F	0	0	2										
20	F	0	0	3										
21	F	0	0	4										
22	F	0	0	5										
23	F	0	2	8										
24	F	0	3	9									Included With Above	
25	U	0	0	1	500								Disposal/Storage**	
26	U	0	0	2									Retrievable Storage**	

Continued from page 2.

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W A 7 8 8 0 0 0 8 9 6 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES	
				1. PROCESS CODES (enter)	2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	U 0 0 3	500	P	D81	Disposal/Storage**
2	U 0 0 4				
3	U 0 0 5				
4	U 0 0 6				
5	U 0 0 7				
6	U 0 0 8				
7	U 0 0 9				
8	U 0 1 0				
9	U 0 1 1				
10	U 0 1 2				
11	U 0 1 4				
12	U 0 1 5				
13	U 0 1 6				
14	U 0 1 7				
15	U 0 1 8				
16	U 0 1 9				
17	U 0 2 0				
18	U 0 2 1				
19	U 0 2 2				
20	U 0 2 3				
21	U 0 2 4				
22	U 0 2 5				
23	U 0 2 6				
24	U 0 2 7				
25	U 0 2 8				
26	U 0 2 9				

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)											
W	A	7	8	9	0	0	0	8	9		
IV. DESCRIPTION OF DANGEROUS WASTES (continued)											
LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES							
				1. PROCESS CODES (enter)				2. PROCESS DESCRIPTION (If a code is not entered in D(1))			
1	U 0 3 0	500	P	D81					Disposal/Storage**		
2	U 0 3 1								Retrievable Storage**		
3	U 0 3 2								Disposal/Storage**		
4	U 0 3 3								↓		
5	U 0 3 4										
6	U 0 3 5										
7	U 0 3 6								Included With Above		
8	U 0 3 7								Retrievable Storage**		
9	U 0 3 8								Disposal/Storage**		
10	U 0 3 9								↓		
11	U 0 4 1										
12	U 0 4 2										
13	U 0 4 3								↓		
14	U 0 4 4										
15	U 0 4 5										
16	U 0 4 6								↓		
17	U 0 4 7										
18	U 0 4 8										
19	U 0 4 9								↓		
20	U 0 5 0										
21	U 0 5 1										Included With Above
22	U 0 5 2								Retrievable Storage**		
23	U 0 5 3								Disposal/Storage**		
24	U 0 5 5								↓		
25	U 0 5 6										Included With Above
26	U 0 5 7								Retrievable Storage**		

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 8 9 6 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES	
				1. PROCESS CODES (enter)	2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	U 0 5 8	500	P	D81	Disposal/Storage**
2	U 0 5 9				
3	U 0 6 0				
4	U 0 6 1				
5	U 0 6 2				
6	U 0 6 3				
7	U 0 6 4				
8	U 0 6 6				
9	U 0 6 7				
10	U 0 6 8				
11	U 0 6 9				Included With Above
12	U 0 7 0				Retrievable Storage**
13	U 0 7 1				
14	U 0 7 2				Included With Above
15	U 0 7 3				Disposal/Storage**
16	U 0 7 4				
17	U 0 7 5				
18	U 0 7 6				
19	U 0 7 7				
20	U 0 7 8				
21	U 0 7 9				Included With Above
22	U 0 8 0				Retrievable Storage**
23	U 0 8 1				Disposal/Storage**
24	U 0 8 2				
25	U 0 8 3				
26	U 0 8 4				

Continued from page 2.

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 8 9 8 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES	
				1. PROCESS CODES (enter)	2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	U 0 8 5	500	P	D81	Disposal/ Storage**
2	U 0 8 6				
3	U 0 8 7				
4	U 0 8 8				
5	U 0 8 9				
6	U 0 9 0				
7	U 0 9 1				
8	U 0 9 2				
9	U 0 9 3				
10	U 0 9 4				
11	U 0 9 5				
12	U 0 9 6				
13	U 0 9 7				
14	U 0 9 8				
15	U 1 0 1				
16	U 1 0 2				
17	U 1 0 7				
18	U 1 0 8				Included With Above
19	U 1 1 2				Retrievable Storage**
20	U 1 1 3				Disposal/Storage**
21	U 1 1 6				Included With Above
22	U 1 1 7				Retrievable Storage**
23	U 1 1 8				Disposal/Storage**
24	U 1 1 9				
25	U 1 2 0				
26	U 1 2 3				

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)									
W A 7 8 9 0 0 0 8 9 6 7									
IV. DESCRIPTION OF DANGEROUS WASTES (continued)									
LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES					
				1. PROCESS CODES (enter)				2. PROCESS DESCRIPTION (if a code is not entered in D(1))	
1	U 1 2 4	500	P	D81					Disposal/Storage**
2	U 1 3 4								
3	U 1 3 6								
4	U 1 3 7								
5	U 1 3 9								Included With Above
6	U 1 4 0								Retrievable Storage**
7	U 1 4 1								Disposal/Storage**
8	U 1 4 5								
9	U 1 4 6								
10	U 1 4 8								
11	U 1 4 9								
12	U 1 5 1								
13	U 1 5 2								
14	U 1 5 3								Included With Above
15	U 1 5 4								Retrievable Storage**
16	U 1 5 5								Disposal/Storage**
17	U 1 5 6								
18	U 1 5 7								
19	U 1 5 8								Included With Above
20	U 1 5 9								Retrievable Storage**
21	U 1 6 0								Disposal/Storage**
22	U 1 6 1								Retrievable Storage**
23	U 1 6 2								Disposal/Storage**
24	U 1 6 3								
25	U 1 6 4								
26	U 1 6 5								

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)									
W A 7 8 9 0 0 0 8 9 6 7									
IV. DESCRIPTION OF DANGEROUS WASTES (continued)									
LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES					
				1. PROCESS CODES (enter)				2. PROCESS DESCRIPTION (if a code is not entered in D(1))	
1	U 1 6 6	500	P	D81					Disposal/Storage**
2	U 1 6 7								↓
3	U 1 6 8								Included With Above
4	U 1 6 9								Retrievable Storage**
5	U 1 7 0								Disposal/Storage**
6	U 1 7 1								↓
7	U 1 7 2								
8	U 1 7 3								↓
9	U 1 7 4								Included With Above
10	U 1 7 5								Retrievable Storage**
11	U 1 7 6								Disposal/Storage**
12	U 1 7 7								
13	U 1 7 8								
14	U 1 7 9								
15	U 1 8 0								
16	U 1 8 1								
17	U 1 8 2								
18	U 1 8 3								
19	U 1 8 4								
20	U 1 8 5								
21	U 1 8 6								
22	U 1 8 7								
23	U 1 8 8								
24	U 1 8 9								
25	U 1 9 0								
26	U 1 9 1								↓

Continued from page 2.

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)									
W A 7 8 9 0 0 0 8 9 8 7									
IV. DESCRIPTION OF DANGEROUS WASTES (continued)									
LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES					
				1. PROCESS CODES (enter)				2. PROCESS DESCRIPTION (if a code is not entered in D(1))	
1	U 1 9 2	500	P	081					Disposal/Storage**
2	U 1 9 3								↓
3	U 1 9 4								Included With Above
4	U 1 9 6								Retrievable Storage**
5	U 1 9 7								Disposal/Storage**
6	U 2 0 0								
7	U 2 0 1								
8	U 2 0 2								
9	U 2 0 3								
10	U 2 0 4								
11	U 2 0 5								
12	U 2 0 6								
13	U 2 0 7								
14	U 2 0 8								↓
15	U 2 0 9								Included With Above
16	U 2 1 0								Retrievable Storage**
17	U 2 1 1								Included With Above
18	U 2 1 2								Disposal/Storage**
19	U 2 1 3								
20	U 2 1 4								
21	U 2 1 5								
22	U 2 1 6								
23	U 2 1 7								
24	U 2 1 8								↓
25	U 2 1 9								Included With Above
26	U 2 2 0								Retrievable Storage**

Continued from page 2.

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)									
W	A	7	8	9	0	0	0	8	9
IV. DESCRIPTION OF DANGEROUS WASTES (continued)									
LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES					
				1. PROCESS CODES (enter)				2. PROCESS DESCRIPTION (if a code is not entered in D(1))	
1	U 2 2 1	500	P	D81					Disposal/Storage**
2	U 2 2 2								
3	U 2 2 3								↓
4	U 2 2 5								Included With Above
5	U 2 2 6								Retrieval Storage**
6	U 2 2 7								Disposal/Storage**
7	U 2 2 8								Retrieval Storage**
8	U 2 3 2								Disposal/Storage**
9	U 2 3 3								
10	U 2 3 4								
11	U 2 3 5								
12	U 2 3 6								
13	U 2 3 7								↓
14	U 2 3 8								Included With Above
15	U 2 3 9								Retrieval Storage**
16	U 2 4 0								Disposal Storage**
17	U 2 4 3								
18	U 2 4 4								
19	U 2 4 5								
20	U 2 4 6								
21	U 2 4 7								
22	U 2 4 8								
23	U 2 4 9								
24	U 3 2 8								
25	U 3 5 3								
26	U 3 5 9								↓

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 8 9 6 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES	
				1. PROCESS CODES (enter)	2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	P 0 0 1	500	P	D81	Disposal/Storage**
2	P 0 0 2				
3	P 0 0 3				
4	P 0 0 4				
5	P 0 0 5				Included With Above
6	P 0 0 6				Retrievable Storage**
7	P 0 0 7				Disposal/Storage**
8	P 0 0 8				
9	P 0 0 9				
10	P 0 1 0				
11	P 0 1 1				
12	P 0 1 2				
13	P 0 1 3				
14	P 0 1 4				
15	P 0 1 5				
16	P 0 1 6				
17	P 0 1 7				
18	P 0 1 8				
19	P 0 2 0				
20	P 0 2 1				Included With Above
21	P 0 2 2				Retrievable Storage**
22	P 0 2 3				Disposal/Storage**
23	P 0 2 4				
24	P 0 2 5				
25	P 0 2 6				
26	P 0 2 7				

Continued from page 2.

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 8 9 6 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES	
				1. PROCESS CODES (enter)	2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	P 0 2 8	500	P	D81	Disposal/Storage**
2	P 0 2 9				
3	P 0 3 0				
4	P 0 3 1				
5	P 0 3 3				
6	P 0 3 4				
7	P 0 3 6				
8	P 0 3 7				
9	P 0 3 8				
10	P 0 3 9				
11	P 0 4 0				
12	P 0 4 1				
13	P 0 4 2				
14	P 0 4 3				
15	P 0 4 4				
16	P 0 4 5				
17	P 0 4 6				
18	P 0 4 7				
19	P 0 4 8				
20	P 0 4 9				
21	P 0 5 0				
22	P 0 5 1				
23	P 0 5 4				
24	P 0 5 6				
25	P 0 5 7				
26	P 0 5 8				

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 B 9 6 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES	
				1. PROCESS CODES (enter)	2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	P 0 5 9	500	P	D81	Disposal/Storage**
2	P 0 6 0				
3	P 0 6 2				
4	P 0 6 3				
5	P 0 6 4				
6	P 0 6 5				
7	P 0 6 6				
8	P 0 6 7				
9	P 0 6 8				
10	P 0 6 9				
11	P 0 7 0				
12	P 0 7 1				
13	P 0 7 2				
14	P 0 7 3				
15	P 0 7 4				
16	P 0 7 5				
17	P 0 7 6				
18	P 0 7 7				
19	P 0 7 8				
20	P 0 8 1				
21	P 0 8 2				
22	P 0 8 4				
23	P 0 8 5				
24	P 0 8 7				
25	P 0 8 8				
26	P 0 8 9				

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)									
W	A	7	8	9	0	0	0	8	9
IV. DESCRIPTION OF DANGEROUS WASTES (continued)									
LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES					
				1. PROCESS CODES (enter)				2. PROCESS DESCRIPTION (if a code is not entered in D(1))	
1	P 0 9 2	500	P	D81					Disposal/Storage**
2	P 0 9 3								
3	P 0 9 4								
4	P 0 9 5								
5	P 0 9 6								
6	P 0 9 7								
7	P 0 9 8								
8	P 0 9 9								
9	P 1 0 1								
10	P 1 0 2								
11	P 1 0 3								
12	P 1 0 4								
13	P 1 0 5								
14	P 1 0 6								
15	P 1 0 7								
16	P 1 0 8								
17	P 1 0 9								
18	P 1 1 0								
19	P 1 1 1								
20	P 1 1 2								
21	P 1 1 3								
22	P 1 1 4								
23	P 1 1 5								
24	P 1 1 6								
25	P 1 1 8								
26	P 1 1 9								

Continued from page 2.

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 8 9 6 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)				B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES				
							1. PROCESS CODES (enter)				2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	P	1	2	0	500	P	D81				Disposal/Storage**
2	P	1	2	1							
3	P	1	2	2							
4	P	1	2	3							Included With Above

** Storage reflects past practice operations before November 1987.

10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										

Continued from the front.

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM SECTION D(1) ON PAGE 3.

The mixed waste handled at the LLBG consists of listed wastes, characteristic wastes and state-only wastes [designation of Extremely Hazardous Waste due to toxicity (WT01) results from lead content in waste], and wastes from nonspecific sources (F001 through F005, F028, and F039). Multi-source leachate (F039) is included as a waste derived from nonspecific source wastes F001 through F005. The submarine reactor compartments in Trench 94 of the 218-E-12B burial ground contain shielding constructed of metallic lead (D008).

V. FACILITY DRAWING

All existing facilities must include in the space provided on page 5 a scale drawing of the facility (see instructions for more detail).

VI. PHOTOGRAPHS

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas (see instructions for more detail).

VII. FACILITY GEOGRAPHIC LOCATION

This information is provided on the attached drawings and photos.

LATITUDE (degrees, minutes, & seconds)

LONGITUDE (degrees, minutes, & seconds)

VIII. FACILITY OWNER

☒ A. If the facility owner is also the facility operator as listed in Section VII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.

B. If the facility owner is not the facility operator as listed in Section VII on Form 1, complete the following items:

1. NAME OF FACILITY'S LEGAL OWNER

2. PHONE NO. (area code & no.)

3. STREET OR P.O. BOX

4. CITY OR TOWN

5. ST.

6. ZIP CODE

IX. OWNER CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

NAME (print or type)
John D. Wagoner, Manager
U.S. Department of Energy
Richland Operations Office

SIGNATURE

John D. Wagoner

DATE SIGNED

11/4/94

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

NAME (print or type)

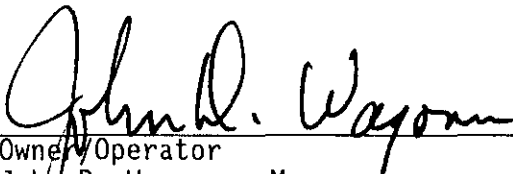
SIGNATURE

DATE SIGNED

SEE ATTACHMENT

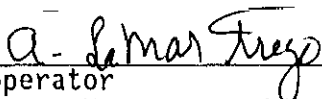
X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.



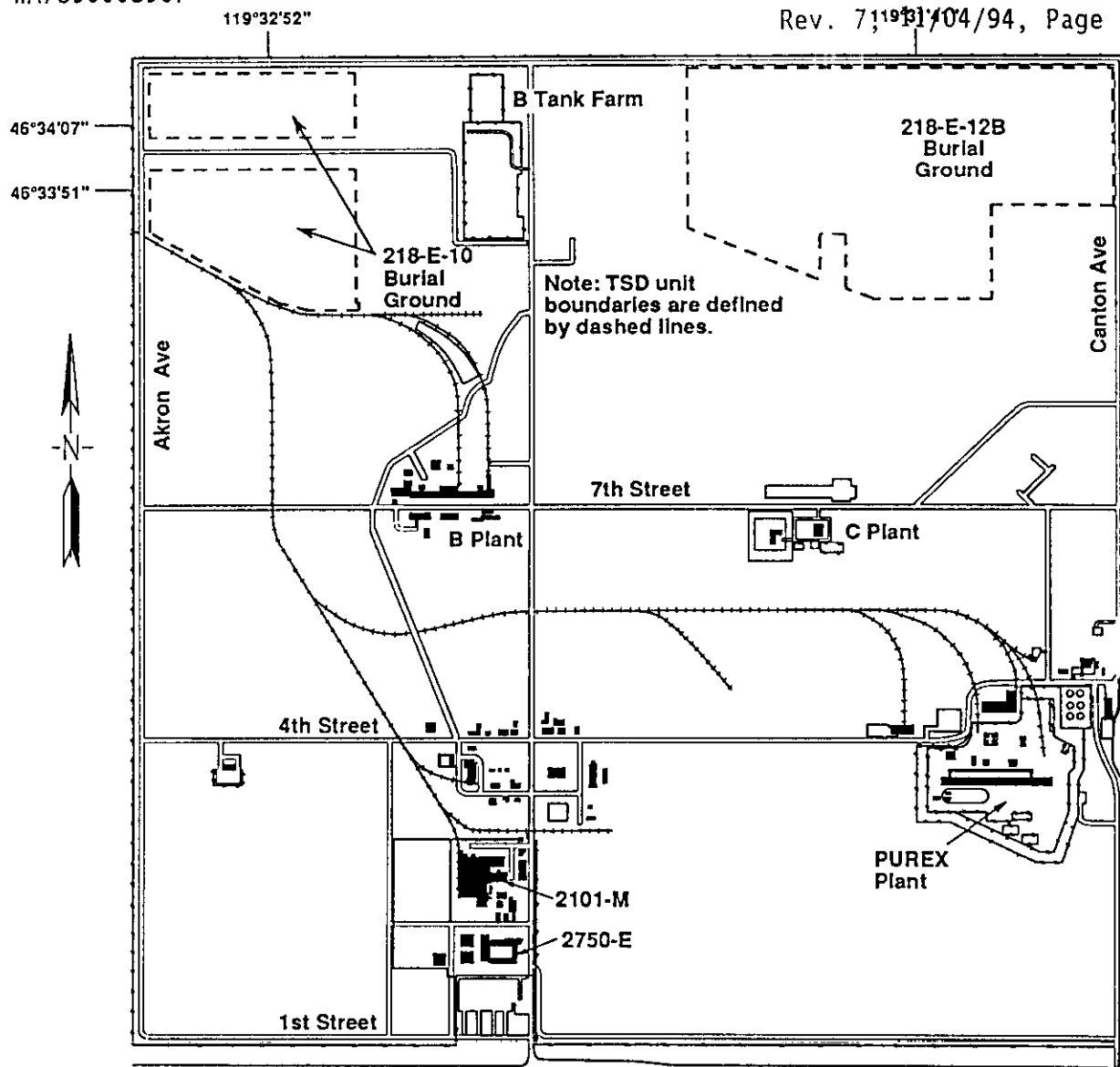
Owner/Operator
John D. Wagoner, Manager
U.S. Department of Energy
Richland Operations Office

11/4/94
Date

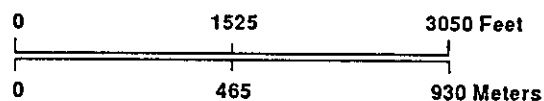
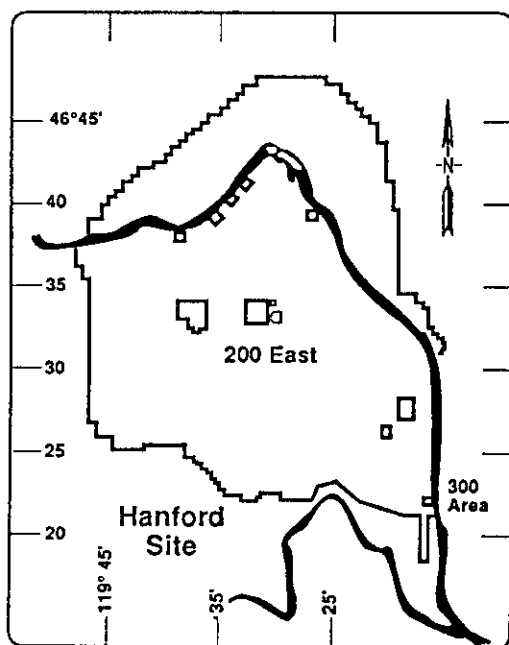


Co-operator
A. LaMar Trego, President
Westinghouse Hanford Company

9/20/94
Date

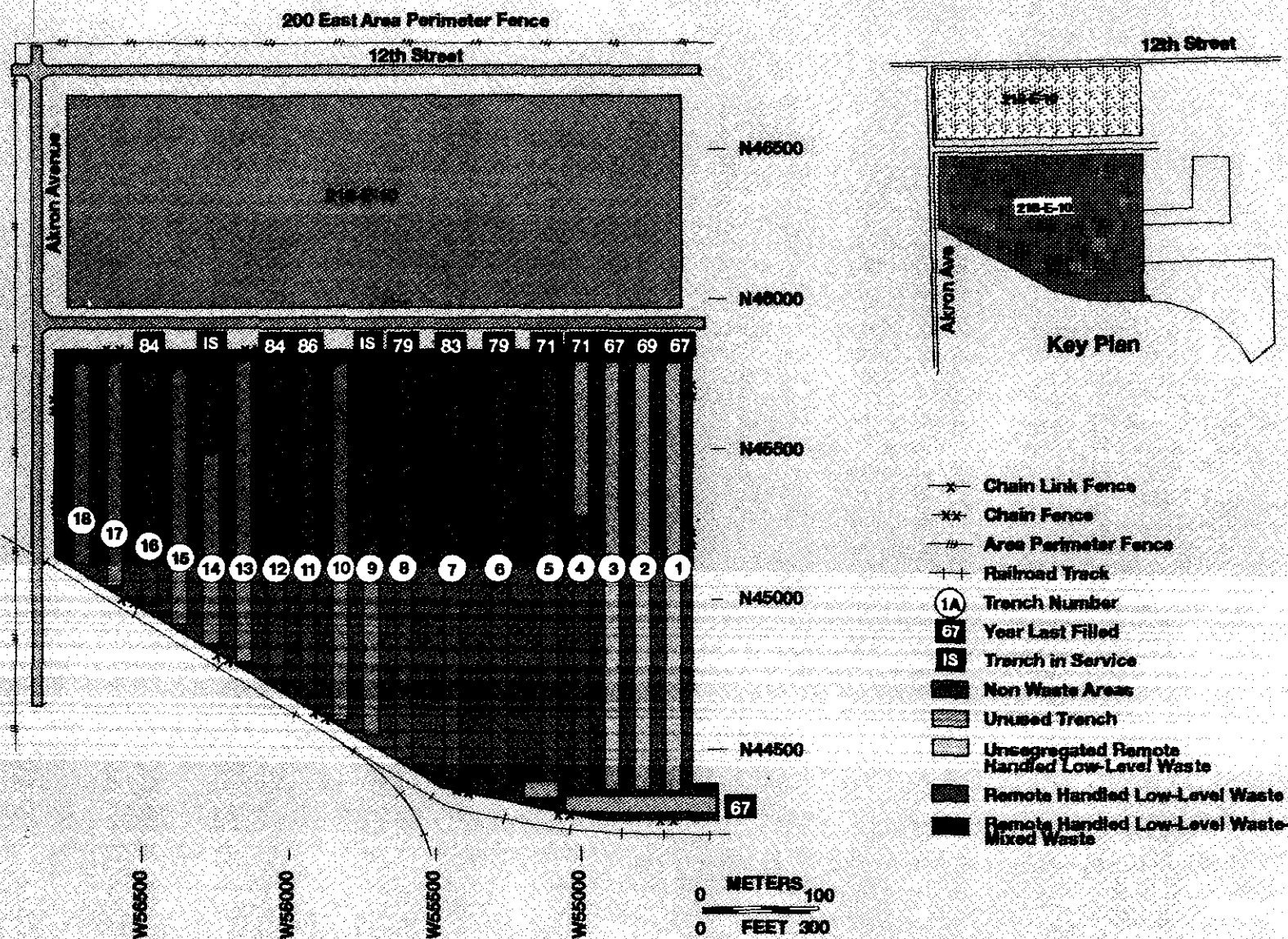


H9408030.2



200 East Area Low Level Burial Grounds

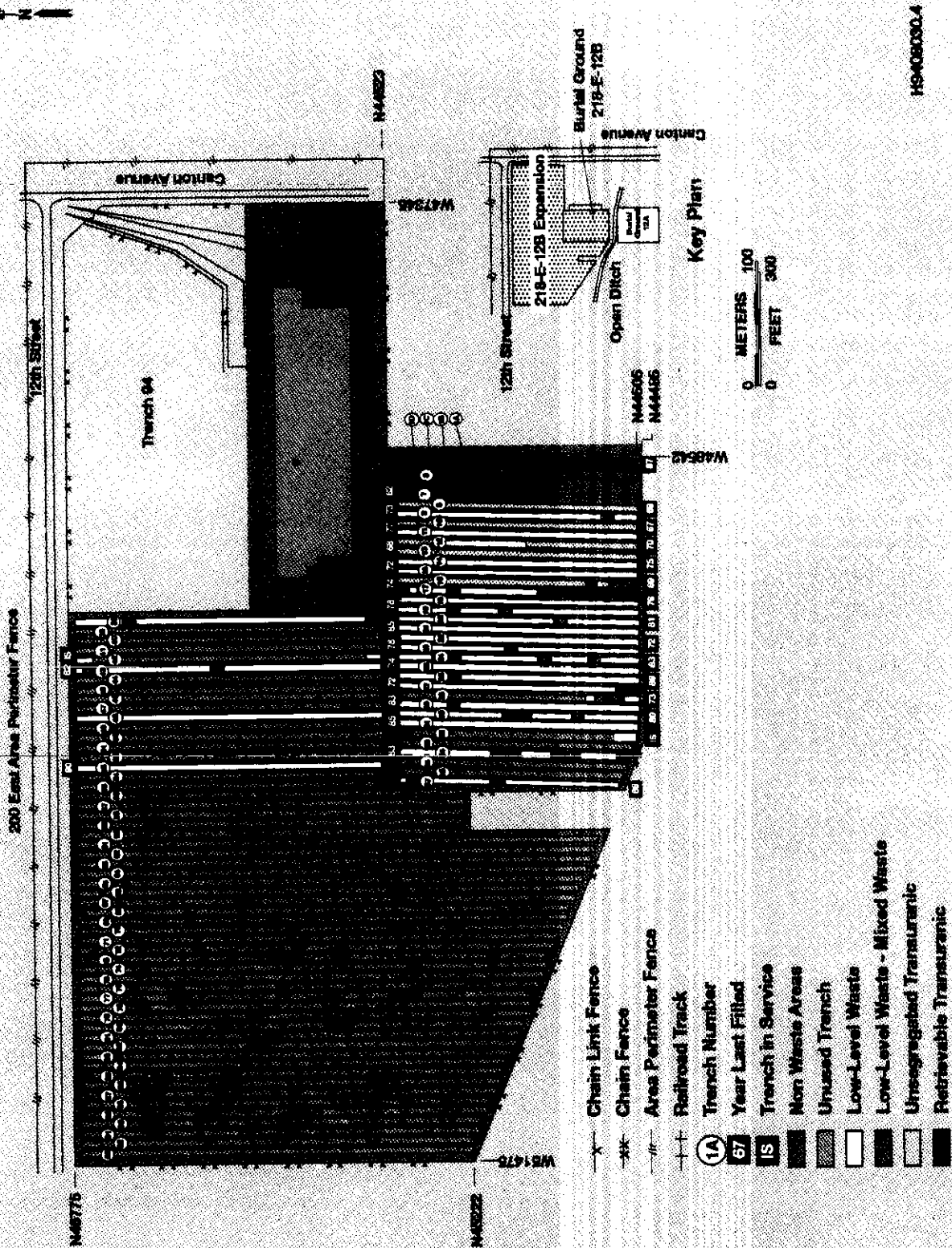
218-E-10 Burial Ground



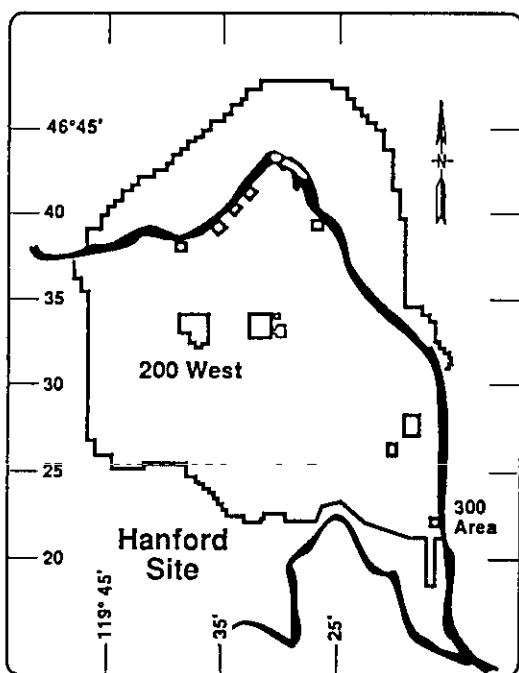
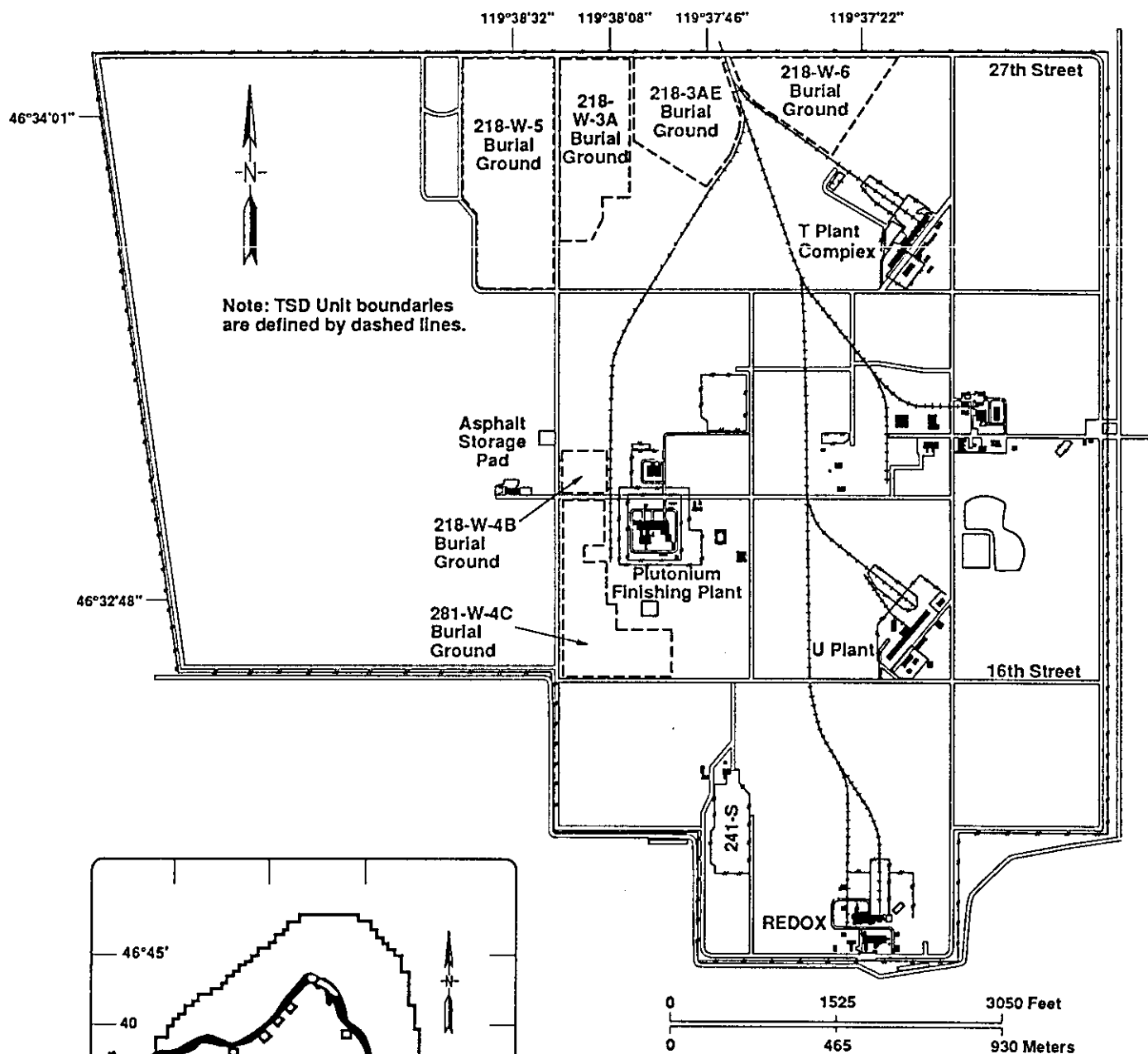
H9408090.3

W and N numbers are Washington State Coordinate System points.

218-E-12B Burial Ground



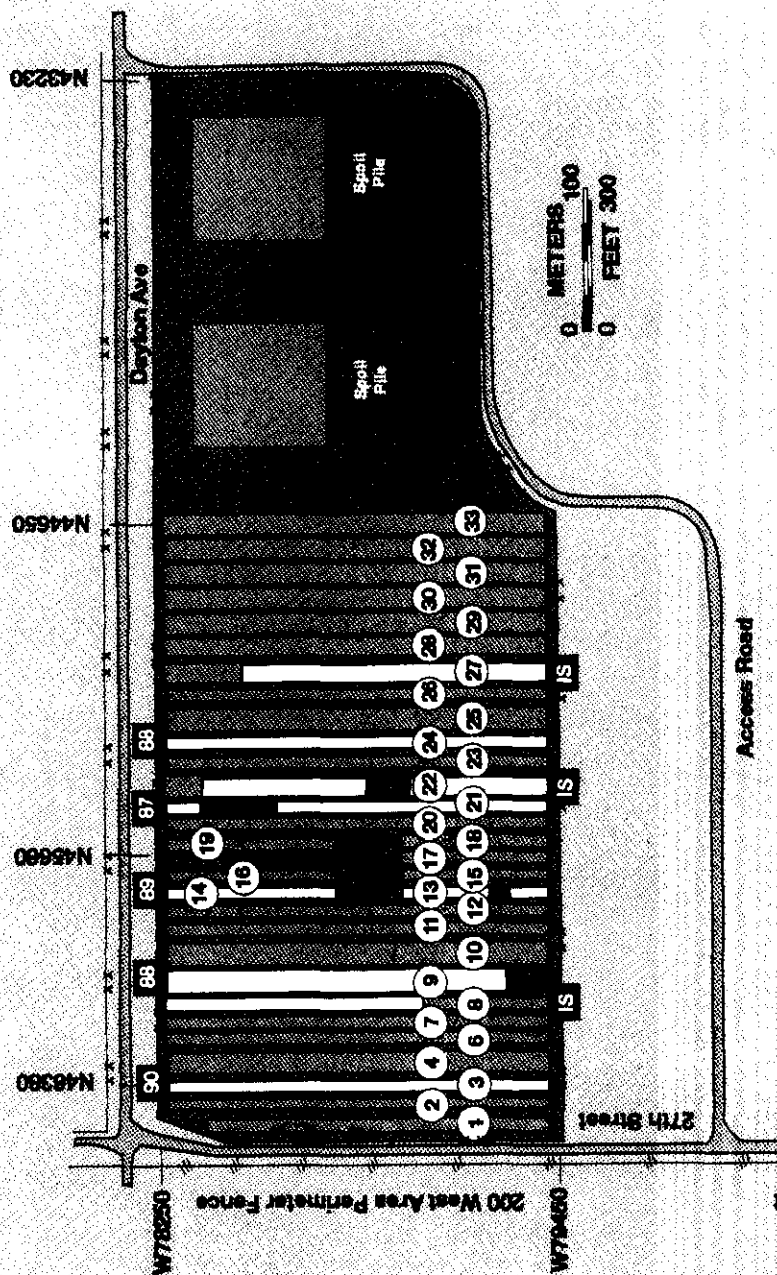
HS-03030.4



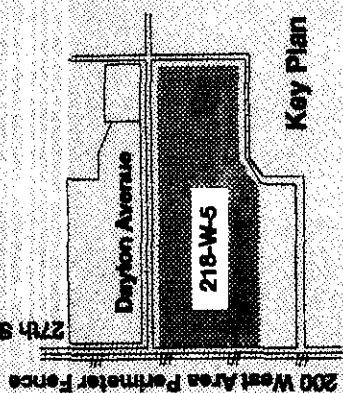
**200 West Area
 Low Level Burial
 Grounds**

H9408030.5

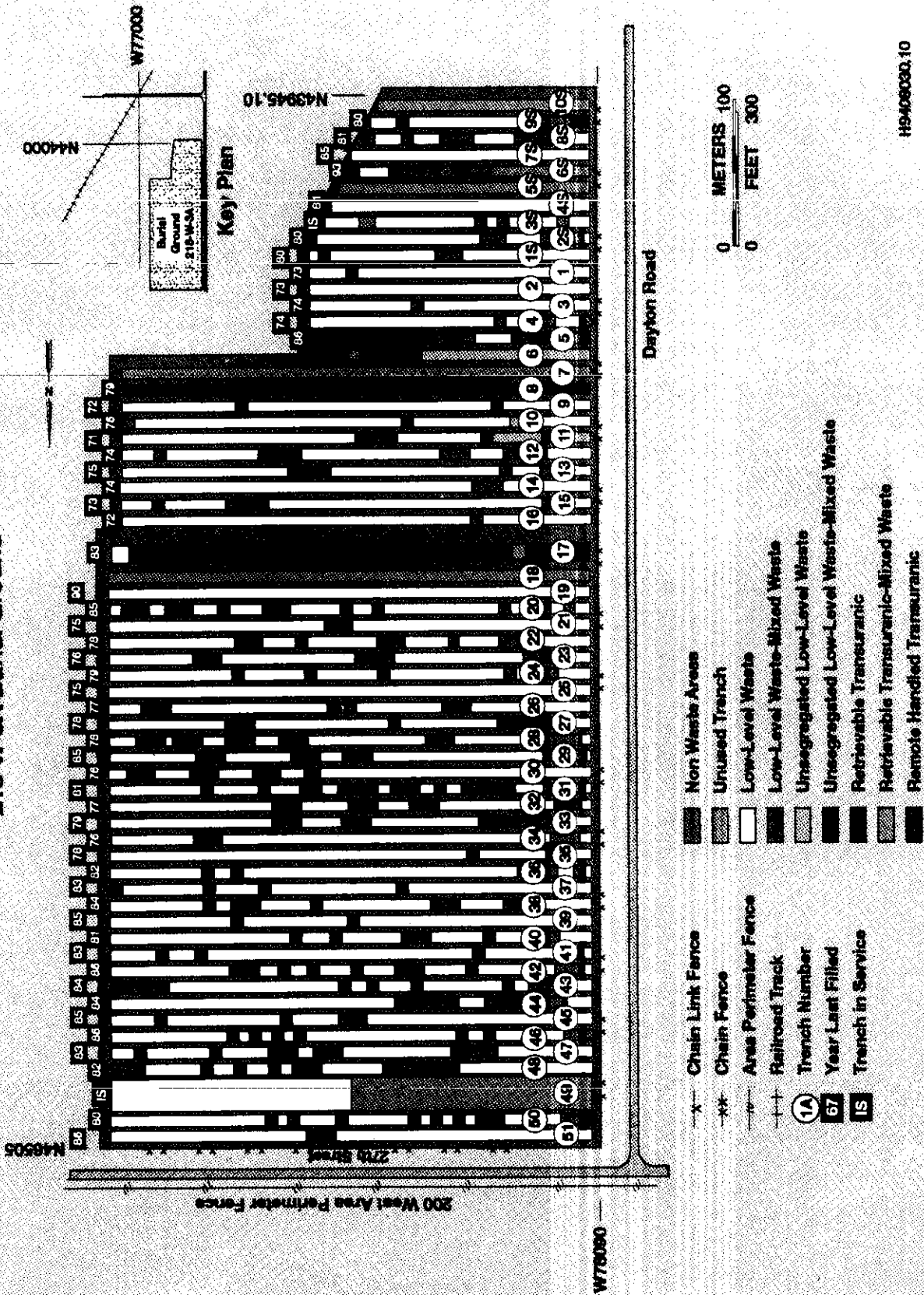
218-W-5 Burial Ground



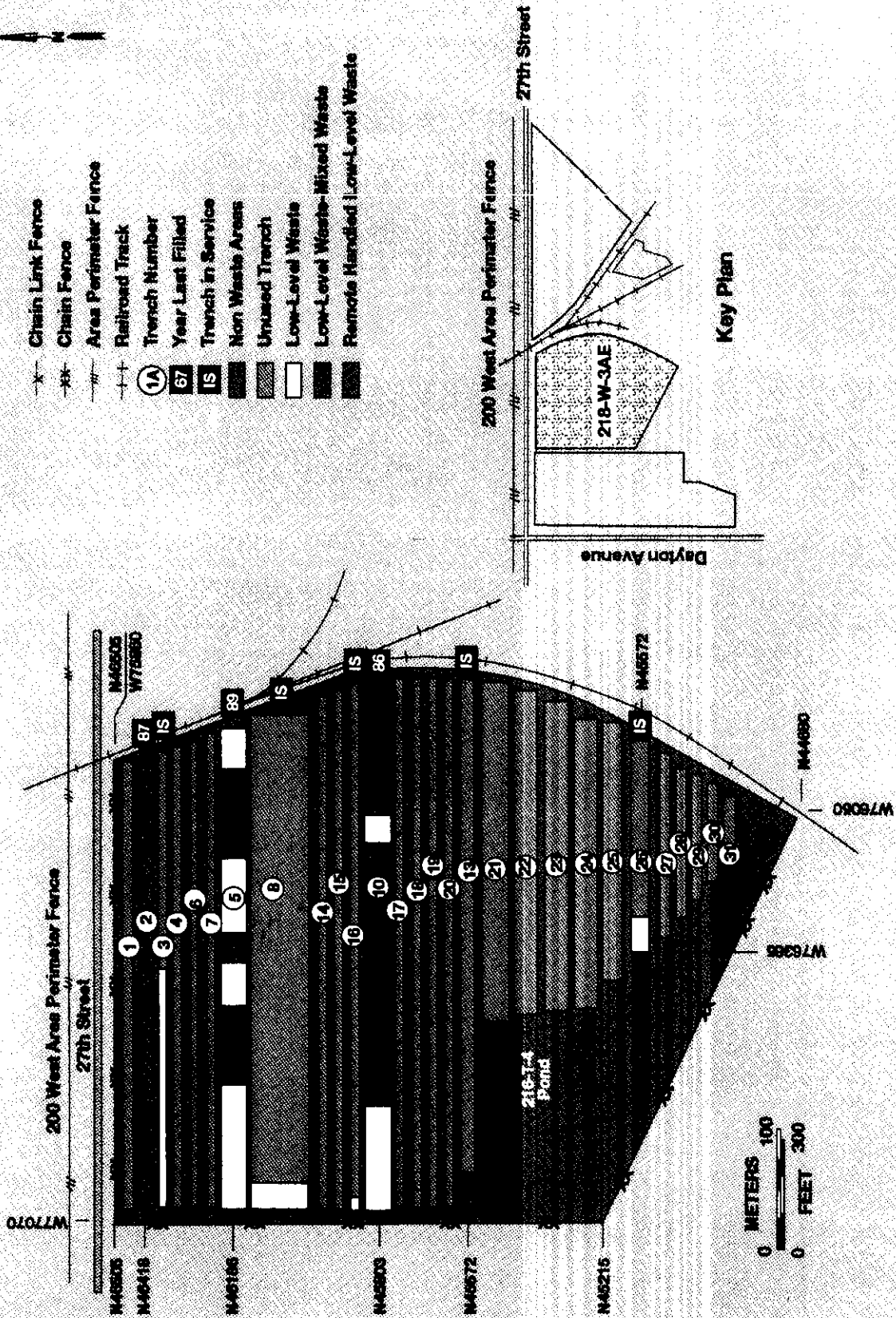
- Chain Link Fence
- Chain Fence
- Area Perimeter Fence
- Railroad Track
- Trench Number
- Year Last Filled
- Trench in Service
- Non Waste Areas
- Unused Trench
- Low-Level Waste
- Low-Level Waste - Mixed Waste



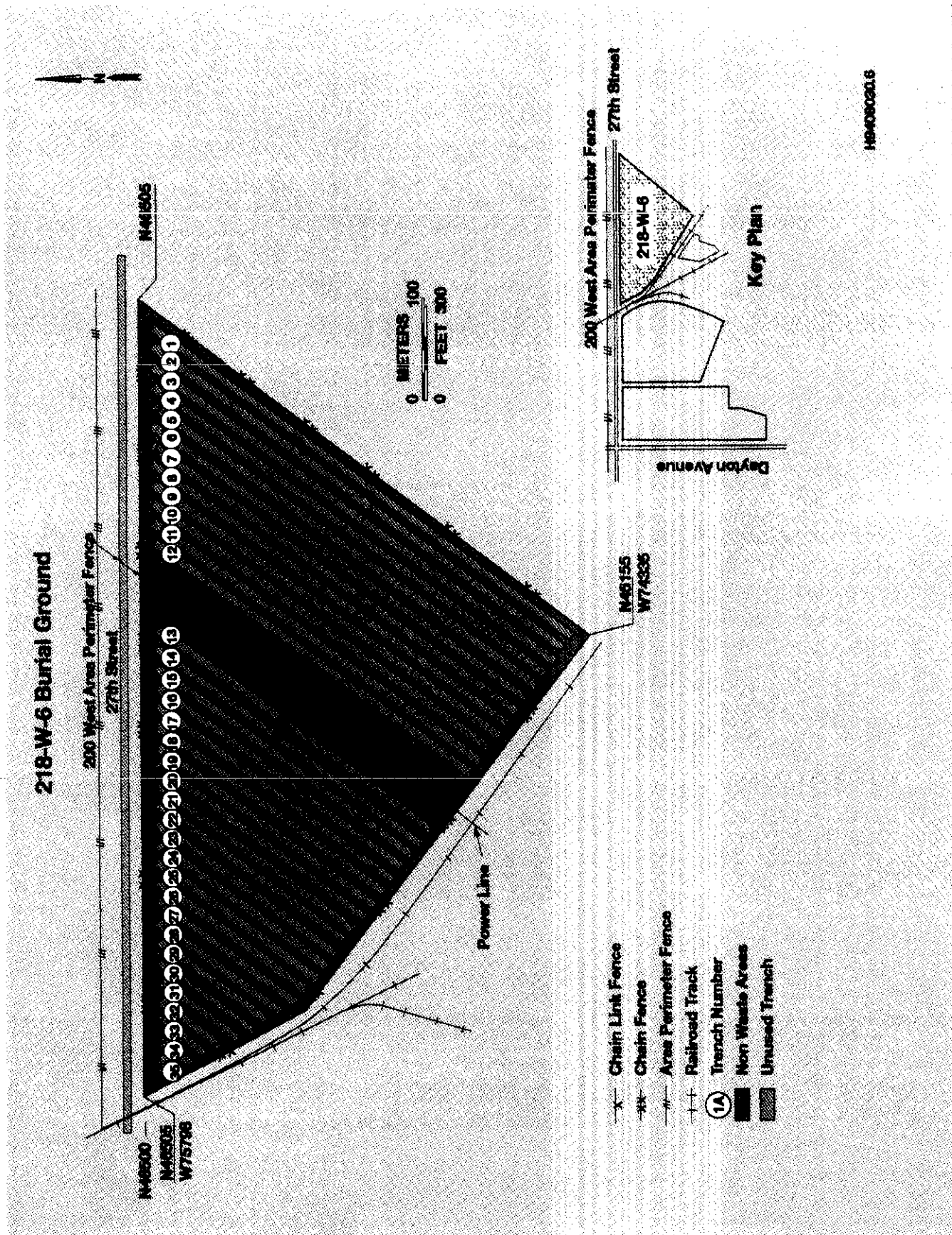
218-W-3A Burial Ground



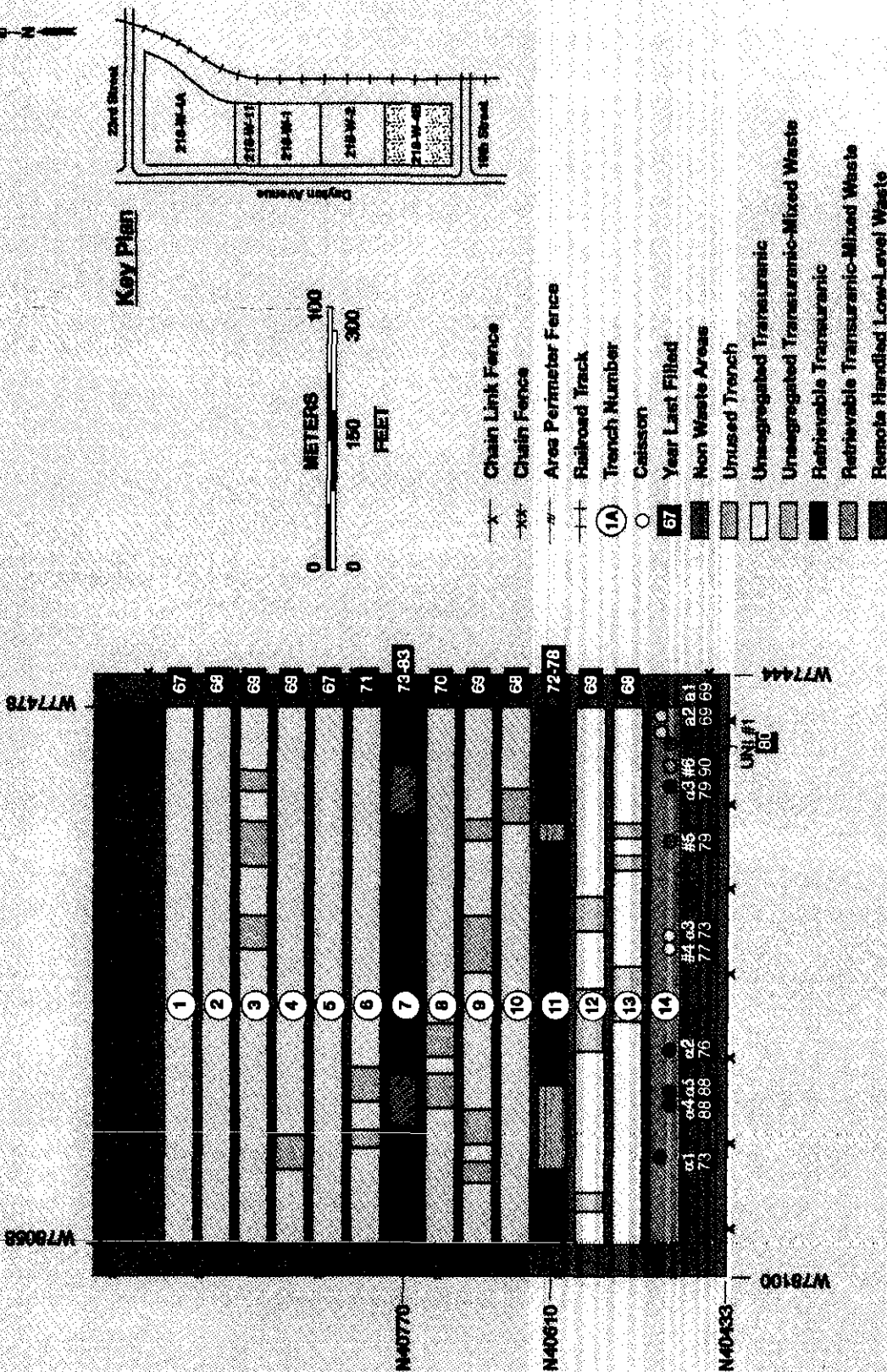
218-W-3AE Burial Ground



H0400000.6



218-W-4B Burial Ground

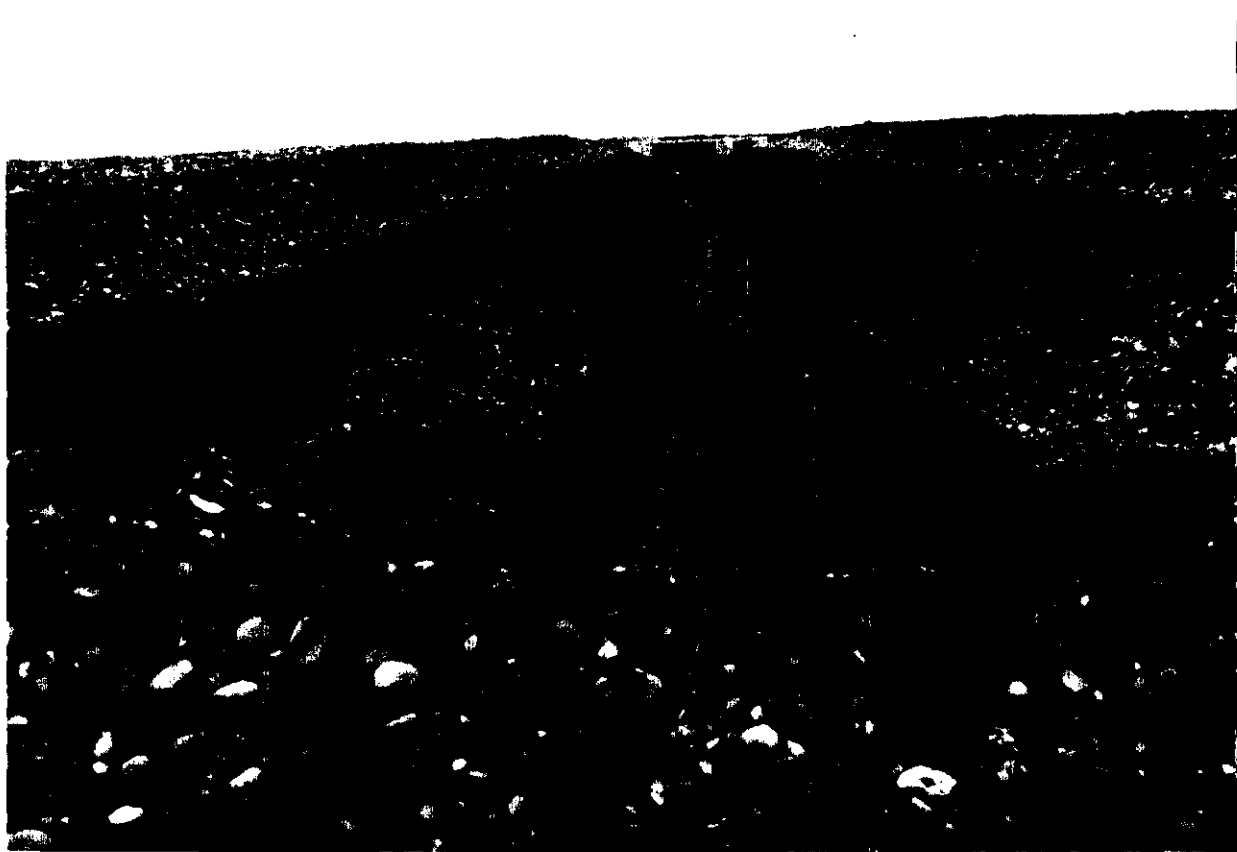


H9-106020.7



W and N numbers are Washington State Coordinate System points.

TYPICAL LOW-LEVEL BURIAL GROUND TRENCH 218-W-3A/200 WEST AREA



46°33'41.318"
119°38'6.440"

8301108-40CN
(PHOTO TAKEN 1983)

TYPICAL LOW-LEVEL RETRIEVABLE STORAGE FACILITY-LIQUID ORGANICS 218-W-4C/200 WEST AREA



46°33'5.892"
119°38'3.981"

8505779-30CN
(PHOTO TAKEN 1985)

SUBMARINE REACTOR COMPARTMENT TRENCH-94



46°34'05"
119°31'31"

93110638-6CN
(PHOTO TAKEN 1993)

Please print or type in the unshaded areas only
(fill-in areas are spaced for elite type, i.e., 12 character/inch).

FORM 3	DANGEROUS WASTE PERMIT APPLICATION	1. EPA/STATE I.D. NUMBER <div style="border: 1px solid black; padding: 2px; display: inline-block;"> WA 7890008867 </div>
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FOR OFFICIAL USE ONLY		COMMENTS
APPLICATION APPROVED <div style="border: 1px solid black; height: 20px; width: 100%;"></div>	DATE RECEIVED (mo., day, & yr.) <div style="border: 1px solid black; display: flex; justify-content: space-between;"> <div style="width: 30%; height: 20px;"></div> <div style="width: 30%; height: 20px;"></div> <div style="width: 30%; height: 20px;"></div> </div>	

II. FIRST OR REVISED APPLICATION
 Place an "X" in the appropriate box in A or B below (mark one box only) to indicate whether this is the first application you are submitting for your facility or a revised application. If this is your first application and you already know your facility's EPA/STATE I.D. Number, or if this is a revised application, enter your facility's EPA/STATE I.D. Number in Section I above.

A. FIRST APPLICATION (place an "X" below and provide the appropriate date)							
<input type="checkbox"/> 1. EXISTING FACILITY (See instructions for definition of "existing" facility. Complete item below.) <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:33%; text-align: center;"> <div style="border: 1px solid black; padding: 2px;">MO.</div> <div style="border: 1px solid black; height: 20px; width: 100%;"></div> </td> <td style="width:33%; text-align: center;"> <div style="border: 1px solid black; padding: 2px;">DAY</div> <div style="border: 1px solid black; height: 20px; width: 100%;"></div> </td> <td style="width:33%; text-align: center;"> <div style="border: 1px solid black; padding: 2px;">YR.</div> <div style="border: 1px solid black; height: 20px; width: 100%;"></div> </td> </tr> </table> FOR EXISTING FACILITIES, PROVIDE THE DATE (mo., day, & yr.) OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (use the boxes to the left)	<div style="border: 1px solid black; padding: 2px;">MO.</div> <div style="border: 1px solid black; height: 20px; width: 100%;"></div>	<div style="border: 1px solid black; padding: 2px;">DAY</div> <div style="border: 1px solid black; height: 20px; width: 100%;"></div>	<div style="border: 1px solid black; padding: 2px;">YR.</div> <div style="border: 1px solid black; height: 20px; width: 100%;"></div>	<input type="checkbox"/> 2. NEW FACILITY (Complete item below) <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:33%; text-align: center;"> <div style="border: 1px solid black; padding: 2px;">MO.</div> <div style="border: 1px solid black; height: 20px; width: 100%; text-align: center;">04</div> </td> <td style="width:33%; text-align: center;"> <div style="border: 1px solid black; padding: 2px;">DAY</div> <div style="border: 1px solid black; height: 20px; width: 100%; text-align: center;">08</div> </td> <td style="width:33%; text-align: center;"> <div style="border: 1px solid black; padding: 2px;">YR.</div> <div style="border: 1px solid black; height: 20px; width: 100%; text-align: center;">94</div> </td> </tr> </table> FOR NEW FACILITIES, PROVIDE THE DATE (mo., day, & yr.) OPERATION BEGAN OR IS EXPECTED TO BEGIN	<div style="border: 1px solid black; padding: 2px;">MO.</div> <div style="border: 1px solid black; height: 20px; width: 100%; text-align: center;">04</div>	<div style="border: 1px solid black; padding: 2px;">DAY</div> <div style="border: 1px solid black; height: 20px; width: 100%; text-align: center;">08</div>	<div style="border: 1px solid black; padding: 2px;">YR.</div> <div style="border: 1px solid black; height: 20px; width: 100%; text-align: center;">94</div>
<div style="border: 1px solid black; padding: 2px;">MO.</div> <div style="border: 1px solid black; height: 20px; width: 100%;"></div>	<div style="border: 1px solid black; padding: 2px;">DAY</div> <div style="border: 1px solid black; height: 20px; width: 100%;"></div>	<div style="border: 1px solid black; padding: 2px;">YR.</div> <div style="border: 1px solid black; height: 20px; width: 100%;"></div>					
<div style="border: 1px solid black; padding: 2px;">MO.</div> <div style="border: 1px solid black; height: 20px; width: 100%; text-align: center;">04</div>	<div style="border: 1px solid black; padding: 2px;">DAY</div> <div style="border: 1px solid black; height: 20px; width: 100%; text-align: center;">08</div>	<div style="border: 1px solid black; padding: 2px;">YR.</div> <div style="border: 1px solid black; height: 20px; width: 100%; text-align: center;">94</div>					
B. REVISED APPLICATION (place an "X" below and complete Section I above)							
<input checked="" type="checkbox"/> 1. FACILITY HAS AN INTERIM STATUS PERMIT	<input type="checkbox"/> 2. FACILITY HAS A FINAL PERMIT						

III. PROCESSES - CODES AND CAPACITIES

A. PROCESS CODE - Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided for entering codes. If more lines are needed, enter the code(s) in the space provided. If a process will be used that is not included in the list of codes below, then describe the process (including its design capacity) in the space provided on the (Section III-C).

B. PROCESS DESIGN CAPACITY - For each code entered in column A enter the capacity of the process.

1. **AMOUNT** - Enter the amount.
2. **UNIT OF MEASURE** - For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.

PROCESS	PRO-CESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY	PROCESS	PRO-CESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage:			Treatment:		
CONTAINER (barrel, drum, etc)	S01	GALLONS OR LITERS	TANK	T01	GALLONS PER DAY OR LITERS PER DAY
TANK	S02	GALLONS OR LITERS	SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS	INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR; GALLONS PER HOUR OR LITERS PER HOUR
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS			
Disposal:					
INJECTION WELL	D80	GALLONS OR LITERS	OTHER (Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided; Section III-C.)	T04	GALLONS PER DAY OR LITERS PER DAY
LANDFILL	D81	ACRE-FEET (the volume that would cover one acre to a depth of one foot) OR HECTARE-METER			
LAND APPLICATION	D82	ACRES OR HECTARES			
OCEAN DISPOSAL	D83	GALLONS PER DAY OR LITERS PER DAY			
SURFACE IMPOUNDMENT	D84	GALLONS OR LITERS			
UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE CODE
GALLONS.....	G	LITERS PER DAY.....	V	ACRE-FEET.....	A
LITERS.....	L	TONS PER HOUR.....	D	HECTARE-METER.....	F
CUBIC YARDS.....	Y	METRIC TONS PER HOUR.....	W	ACRES.....	B
CUBIC METERS.....	C	GALLONS PER HOUR.....	E	HECTARES.....	Q
GALLONS PER DAY.....	U	LITERS PER HOUR.....	H		

EXAMPLE FOR COMPLETING SECTION III (shown in line numbers X-1 and X-2 below): A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.

LINE NUMBER	A. PRO-CESS CODE (from list above)	B. PROCESS DESIGN CAPACITY		FOR OFFICIAL USE ONLY	LINE NUMBER	A. PRO-CESS CODE (from list above)	B. PROCESS DESIGN CAPACITY		FOR OFFICIAL USE ONLY
		1. AMOUNT (specify)	2. UNIT OF MEASURE (enter code)				1. AMOUNT (specify)	2. UNIT OF MEASURE (enter code)	
X-1	S 0 2	600	G		5				
X-2	T 0 3	20	E		6				
1	S 0 4	19,500,000	G		7				
2					8				
3					9				
4					10				

Continued from the front.

III. PROCESSES (continued)

C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESS (code "T04"). FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

S04

The Liquid Effluent Retention Facility (LERF) was constructed under interim status in accordance with the Washington Administrative Code (WAC) 173-303. The LERF provides interim storage of the 242-A Evaporator process condensate until treatment capability for the process condensate is available.

The LERF is a retention basin consisting of three cells (surface impoundments) (S04). Each cell has a design capacity of 6,500,000 gallons (24,605,000 liters) with a total capacity of 19,500,000 gallons (73,815,000 liters).

IV. DESCRIPTION OF DANGEROUS WASTES

- A. DANGEROUS WASTE NUMBER - Enter the four digit number from Chapter 173-303 WAC for each listed dangerous waste you will handle. If you handle dangerous wastes which are not listed in Chapter 173-303 WAC, enter the four digit number(s) that describes the characteristics and/or the toxic contaminants of those dangerous wastes.
- B. ESTIMATED ANNUAL QUANTITY - For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.
- C. UNIT OF MEASURE - For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:

For listed dangerous waste: For each listed dangerous waste entered in column A select the code(s) from the list of process codes contained in Section III to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed dangerous wastes: For each characteristic or toxic contaminant entered in Column A, select the code(s) from the list of process codes contained in Section III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed dangerous wastes that possess that characteristic or toxic contaminant.

Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: DANGEROUS WASTES DESCRIBED BY MORE THAN ONE DANGEROUS WASTE NUMBER - Dangerous wastes that can be described by more than one Waste Number shall be described on the form as follows:

- Select one of the Dangerous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
- In column A of the next line enter the other Dangerous Waste Number that can be used to describe the waste. In column D(2) on that line enter "Included with above" and make no other entries on that line.
- Repeat step 2 for each other Dangerous Waste Number that can be used to describe the dangerous waste.

EXAMPLE FOR COMPLETING SECTION IV (shown in line numbers X-1, X-2, X-3, and X-4 below) - A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES	
				1. PROCESS CODES (enter)	2. PROCESS DESCRIPTION (if a code is not entered in D(1))
X-1	K 0 5 4	900	P	T 0 3 D 8 0	
X-2	D 0 0 2	400	P	T 0 3 D 8 0	
X-3	D 0 0 1	100	P	T 0 3 D 8 0	
X-4	D 0 0 2			T 0 3 D 8 0	Included with above

Continued from page 2.

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W A 7 8 8 0 0 0 8 8 6 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES	
				1. PROCESS CODES (enter)	2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	F 0 0 1	162,728,000	P	S04	Storage - Surface Impoundment
2	F 0 0 2				
3	F 0 0 3				
4	F 0 0 4				
5	F 0 0 5				
6	F 0 3 9				
7	W T 0 2				Included With Above
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

Continued from the front.

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM SECTION D(1) ON PAGE 3.

The LERF receives and stores the 242-A Evaporator process condensate until treatment capability for the process condensate is available. A description of the dangerous waste stored at LERF is as follows.

The 242-A Evaporator process condensate is regulated as a mixed waste due to the presence of spent halogenated and nonhalogenated solvents (F001, F002, F003, F004, and F005) and for the toxicity of ammonia (WT02, toxic state-only dangerous waste). Multi-source leachate (F039) is included as a waste derived from nonspecific source wastes F001 through F005.

The Estimated Annual Quantity of Dangerous Waste (item IV.B.) of 162,728,000 pounds (73,812,000 kilograms) per year is based on approximately 19,500,000 gallons (73,815,000 liters) of waste, or the total capacity of the the LERF.

V. FACILITY DRAWING

All existing facilities must include in the space provided on page 5 a scale drawing of the facility (see instructions for more detail).

VI. PHOTOGRAPHS

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas (see instructions for more detail).

VII. FACILITY GEOGRAPHIC LOCATION

This information is provided on the attached drawings and photos.

LATITUDE (degrees, minutes, & seconds)

LONGITUDE (degrees, minutes, & seconds)

VIII. FACILITY OWNER

☒ A. If the facility owner is also the facility operator as listed in Section VII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.

B. If the facility owner is not the facility operator as listed in Section VII on Form 1, complete the following items:

1. NAME OF FACILITY'S LEGAL OWNER

2. PHONE NO. (area code & no.)

3. STREET OR P.O. BOX

4. CITY OR TOWN

5. ST.

6. ZIP CODE

IX. OWNER CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

NAME (print or type)
John D. Wagoner, Manager
U.S. Department of Energy
Richland Operations Office

SIGNATURE

John D. Wagoner

DATE SIGNED

11/4/94

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

NAME (print or type)

SIGNATURE

DATE SIGNED

SEE ATTACHMENT

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

John D. Wagoner

Owner/Operator
John D. Wagoner, Manager
U.S. Department of Energy
Richland Operations Office

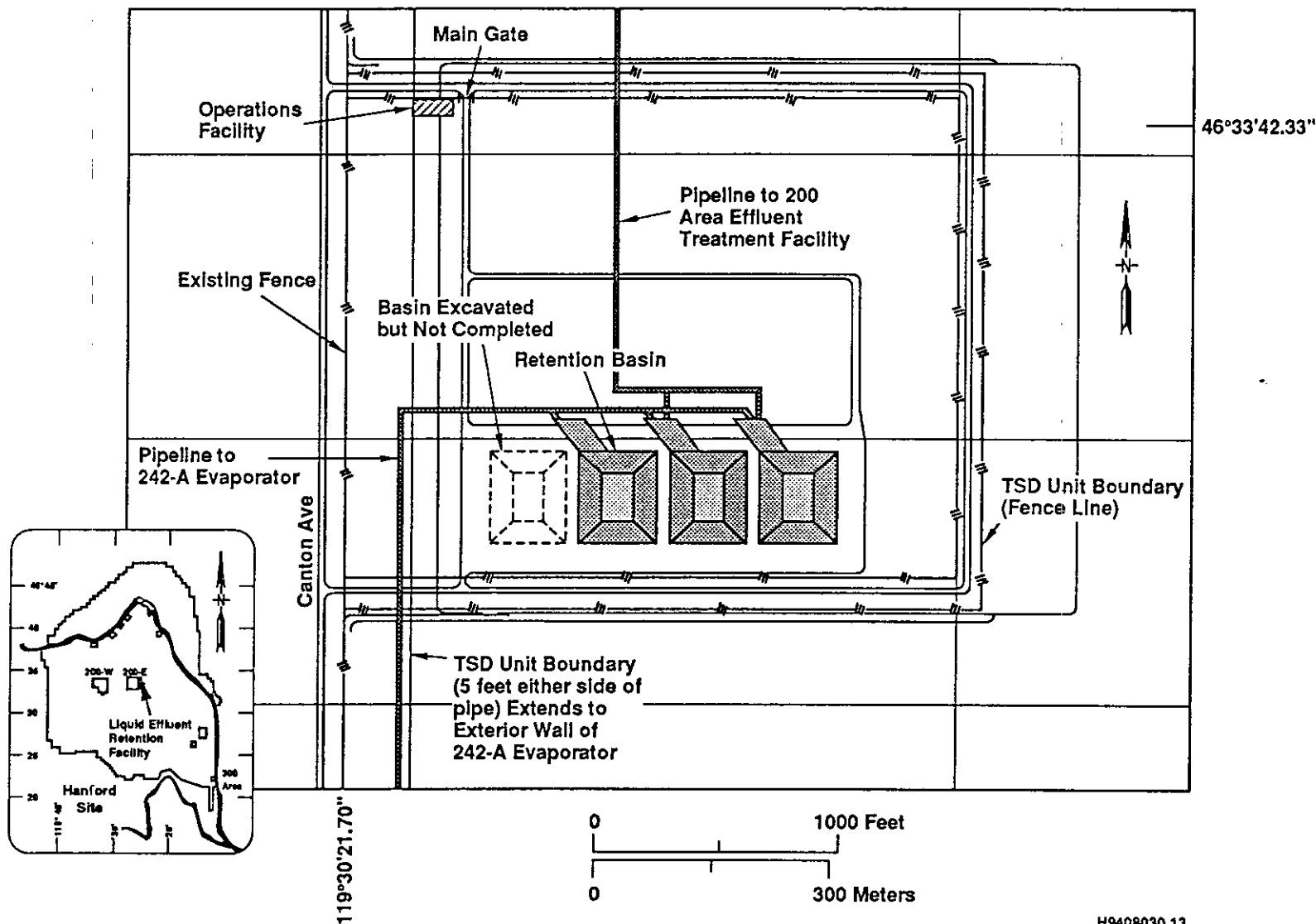
11/4/94
Date

A. LaMar Trego

Co-operator
A. LaMar Trego, President
Westinghouse Hanford Company

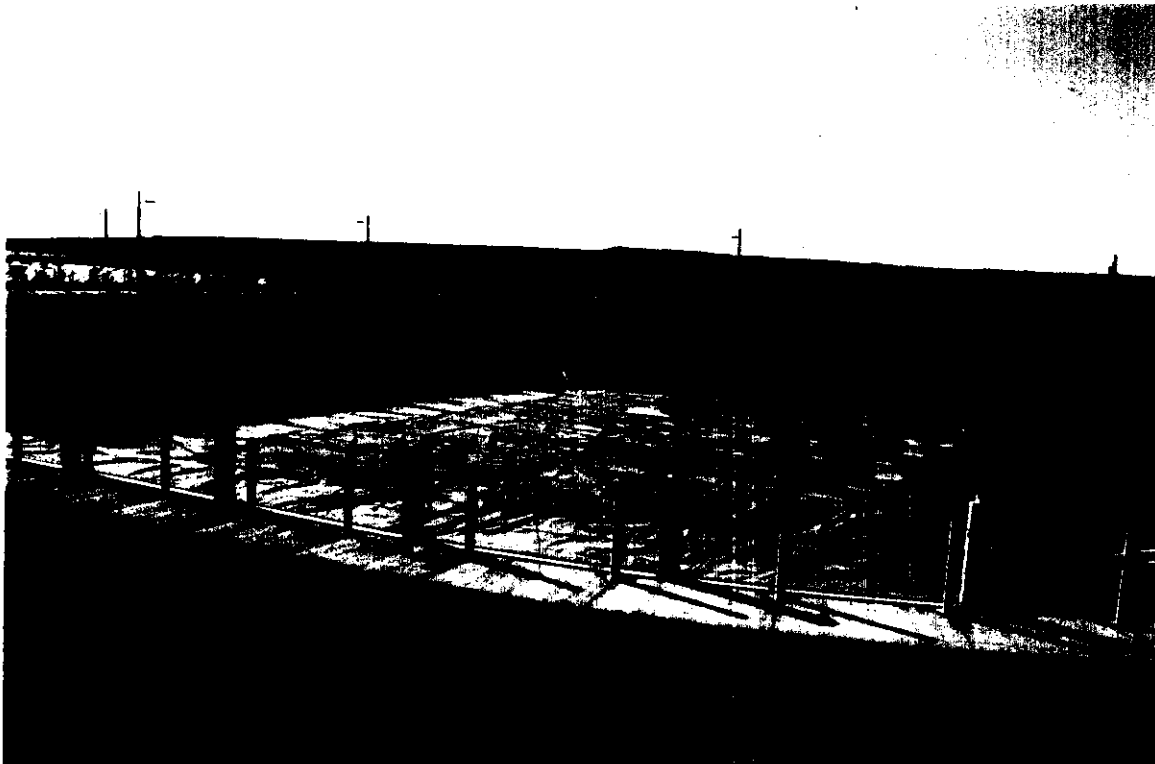
9/20/14
Date

Liquid Effluent Retention Facility Site Plan



H9408030.13

LIQUID EFFLUENT RETENTION FACILITY



TYPICAL BASIN

46°33'42.33"
119°30'21.70"

92081260-9CN
(PHOTO TAKEN 1992)

Please print or type in the unshaded areas only
(fill-in areas are spaced for elite type, i.e., 12 character/inch).

FORM 3	DANGEROUS WASTE PERMIT APPLICATION	1. EPA/STATE I.D. NUMBER <div style="border: 1px solid black; padding: 2px; text-align: center;"> WA 7890008967 </div>												
FOR OFFICIAL USE ONLY														
APPLICATION APPROVED	DATE RECEIVED (mo., day, & yr.)	COMMENTS												
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Place an "X" in the appropriate box in A or B below (mark one box only) to indicate whether this is the first application you are submitting for your facility or a revised application. If this is your first application and you already know your facility's EPA/STATE I.D. Number, or if this is a revised application, enter your facility's EPA/STATE I.D. Number in Section I above.														
A. FIRST APPLICATION (place an "X" below and provide the appropriate date)														
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input type="checkbox"/> 1. EXISTING FACILITY (See instructions for definition of "existing" facility. Complete item below.) </div> <div style="width: 45%;"> <input type="checkbox"/> 2. NEW FACILITY (Complete item below) </div> </div>														
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <table border="1" style="width: 100%; text-align: center;"> <tr> <td>MO.</td> <td>DAY</td> <td>YR.</td> </tr> <tr> <td>06</td> <td>01</td> <td>51</td> </tr> </table> </div> <div style="width: 50%;"> FOR EXISTING FACILITIES, PROVIDE THE DATE (mo., day, & yr.) OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (use the boxes to the left) </div> <div style="width: 45%;"> <table border="1" style="width: 100%; text-align: center;"> <tr> <td>MO.</td> <td>DAY</td> <td>YR.</td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table> </div> <div style="width: 50%;"> FOR NEW FACILITIES, PROVIDE THE DATE (mo., day, & yr.) OPERATION BEGAN OR IS EXPECTED TO BEGIN </div> </div>			MO.	DAY	YR.	06	01	51	MO.	DAY	YR.			
MO.	DAY	YR.												
06	01	51												
MO.	DAY	YR.												
B. REVISED APPLICATION (place an "X" below and complete Section I above)														
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input checked="" type="checkbox"/> 1. FACILITY HAS AN INTERIM STATUS PERMIT </div> <div style="width: 45%;"> <input type="checkbox"/> 2. FACILITY HAS A FINAL PERMIT </div> </div>														
III. PROCESSES - CODES AND CAPACITIES														
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B. PROCESS DESIGN CAPACITY - For each code entered in column A enter the capacity of the process.														
1. AMOUNT - Enter the amount.														
2. UNIT OF MEASURE - For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.														
	PRO- CESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY												
Storage:														
CONTAINER (barrel, drum, etc)	S01	GALLONS OR LITERS												
TANK	S02	GALLONS OR LITERS												
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS												
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS												
Disposal:														
INJECTION WELL	D80	GALLONS OR LITERS												
LANDFILL	D81	ACRE-FEET (the volume that would cover one acre to a depth of one foot) OR HECTARE-METER ACRES OR HECTARES												
LAND APPLICATION	D82	GALLONS PER DAY OR LITERS PER DAY												
OCEAN DISPOSAL	D83	GALLONS PER DAY OR LITERS PER DAY												
SURFACE IMPOUNDMENT	D84	GALLONS OR LITERS												
Treatment:														
TANK	T01	GALLONS PER DAY OR LITERS PER DAY												
SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY												
INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR; GALLONS PER HOUR OR LITERS PER HOUR												
		T04												
		GALLONS PER DAY OR LITERS PER DAY												
OTHER (Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided; Section III-C.)														
UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE												
GALLONS.....	G	LITERS PER DAY.....												
LITERS.....	L	TONS PER HOUR.....												
CUBIC YARDS.....	Y	METRIC TONS PER HOUR.....												
CUBIC METERS.....	C	GALLONS PER HOUR.....												
GALLONS PER DAY.....	U	LITERS PER HOUR.....												
		V												
		D												
		W												
		E												
		H												
UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE												
ACRE-FEET.....	A	HECTARE-METER.....												
HECTARE-METER.....	F	ACRES.....												
ACRES.....	B	HECTARES.....												
		Q												
EXAMPLE FOR COMPLETING SECTION III (shown in line numbers X-1 and X-2 below): A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.														
LINE NUMBER	A. PRO- CESS CODE (from list above)	B. PROCESS DESIGN CAPACITY	FOR OFFICIAL USE ONLY	LINE NUMBER	A. PRO- CESS CODE (from list above)	B. PROCESS DESIGN CAPACITY	FOR OFFICIAL USE ONLY							
X-1	S 0 2	600	G	5										
X-2	T 0 3	20	E	6										
1	S 0 2	9,500	G	7										
2	T 0 1	206	U	8										
3	S 0 1	540	G	9										
4				10										

Continued from the front.

III. PROCESSES (continued)

C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESS (code "T04"). FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY. The 222-S Laboratory Complex consists of the following two waste management units, the 219-S Waste Handling Facility and the 222-S Dangerous and Mixed Waste Storage Area. Processes associated with these two units are described as follows.

S02, T01 - The 219-S Waste Handling Facility is located northeast of the 222-S Analytical Laboratory Building. The 219-S Waste Handling Facility contains three stainless steel tanks: 101 [4,000 gallon (15,000 liters)], 102 [4,000 gallon (15,000 liter)], and 103 [1,500 gallon (6,000 liter)] located in a belowground concrete vault (S02). Tanks 101 and 103 are used for primary and backup storage of mixed waste from the 222-S Analytical Laboratory. The mixed waste is transferred from tanks 101 and 103 to tank 102 for treatment (T01) and storage before transfer to the Double-Shell Tank (DST) System. The mixed waste is treated in tank 102 with sodium hydroxide (NaOH) to a pH greater than or equal to 12.0 and with sodium nitrite (NaNO₂) to a concentration of 600 parts per million. This treatment process makes the mixed waste more amenable for storage in the DST System. The maximum process design capacity of the three storage tanks is 9,500 gallons (36,000 liters). The maximum treatment process design capacity for tank 102 is 206 gallons (780 liters) per day [75,000 gallons (284,000 liters) per year].

S01 - The 222-S Dangerous and Mixed Waste Storage Area is located on the north side of the 222-S Analytical Laboratory Building. The 222-S Dangerous and Mixed Waste Storage Area consists of two metal storage structures resting on a concrete pad. The 222-S Dangerous and Mixed Waste Storage Area stores a total of 36 U.S. Department of Transportation-approved or equivalent 17C or 17H 55-gallon (208 liter) containers or other U.S. Department of Transportation-approved packages and overpacks of mixed waste and nonradioactive dangerous waste (S01). Each metal storage structure holds a total of 18 containers of waste. The containers are stored at the 222-S Dangerous and Mixed Waste Storage Area until transferred to the Hanford Central Waste Complex (mixed waste) or to the 616 Nonradioactive Dangerous Waste Storage Facility (nonradioactive dangerous waste) for storage. The maximum design capacity of the 222-S Dangerous and Mixed Waste Storage Area is 540 gallons (2,000 liters) [15 gallons (57 liters) of liquids per container].

IV. DESCRIPTION OF DANGEROUS WASTES

- A. **DANGEROUS WASTE NUMBER** - Enter the four digit number from Chapter 173-303 WAC for each listed dangerous waste you will handle. If you handle dangerous wastes which are not listed in Chapter 173-303 WAC, enter the four digit number(s) that describes the characteristics and/or the toxic contaminants of those dangerous wastes.
- B. **ESTIMATED ANNUAL QUANTITY** - For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.
- C. **UNIT OF MEASURE** - For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:

For listed dangerous waste: For each listed dangerous waste entered in column A select the code(s) from the list of process codes contained in Section III to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed dangerous wastes: For each characteristic or toxic contaminant entered in Column A, select the code(s) from the list of process codes contained in Section III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed dangerous wastes that possess that characteristic or toxic contaminant.

Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: DANGEROUS WASTES DESCRIBED BY MORE THAN ONE DANGEROUS WASTE NUMBER - Dangerous wastes that can be described by more than one Waste Number shall be described on the form as follows:

- Select one of the Dangerous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
- In column A of the next line enter the other Dangerous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.
- Repeat step 2 for each other Dangerous Waste Number that can be used to describe the dangerous waste.

EXAMPLE FOR COMPLETING SECTION IV (shown in line numbers X-1, X-2, X-3, and X-4 below) - A facility will treat and dispose of an estimated 800 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES	
				1. PROCESS CODES (enter)	2. PROCESS DESCRIPTION (if a code is not entered in D(1))
X-1	K 0 5 4	900	P	T 0 3 D 8 0	
X-2	D 0 0 2	400	P	T 0 3 D 8 0	
X-3	D 0 0 1	100	P	T 0 3 D 8 0	
X-4	D 0 0 2			T 0 3 D 8 0	Included with above

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 8 9 6 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES			
				1. PROCESS CODES (enter)			
1	D 0 0 1	626,000	P	S02	T01		Storage - Tank/Treatment - Tank
2	D 0 0 2						
3	D 0 0 3						
4	D 0 0 4						
5	D 0 0 5						
6	D 0 0 6						
7	D 0 0 7						
8	D 0 0 8						
9	D 0 0 9						
10	D 0 1 0						
11	D 0 1 1						
12	D 0 1 8						
13	D 0 1 9						
14	D 0 2 2						
15	D 0 2 8						
16	D 0 2 9						
17	D 0 3 0						
18	D 0 3 3						
19	D 0 3 4						
20	D 0 3 5						
21	D 0 3 6						
22	D 0 3 8						
23	D 0 3 9						
24	D 0 4 0						
25	D 0 4 1						
26	D 0 4 3						

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)										
W A 7 8 9 0 0 0 8 9 6 7										
IV. DESCRIPTION OF DANGEROUS WASTES (continued)										
LINE NO.	A. DANGEROUS WASTE NO. (enter code)				B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES			
							1. PROCESS CODES (enter)			
1	W	T	0	1		P	S02	T01		Storage - Tank/Treatment - Tank
2	W	T	0	2						
3	W	C	0	2						
4	W	P	0	1						
5	W	P	0	2						
6	F	0	0	1						
7	F	0	0	2						
8	F	0	0	3						
9	F	0	0	4						
10	F	0	0	5						
11	F	0	3	9						Included With Above
12	D	0	0	1	12,000	P	S01			Storage - Container
13	D	0	0	2						
14	D	0	0	3						
15	D	0	0	4						
16	D	0	0	5						
17	D	0	0	6						
18	D	0	0	7						
19	D	0	0	8						
20	D	0	0	9						
21	D	0	1	0						
22	D	0	1	1						
23	D	0	1	2						
24	D	0	1	3						
25	D	0	1	4						
26	D	0	1	5						

Continued from page 2.

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 8 9 6 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES	
				1. PROCESS CODES (enter)	2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	D 0 1 6		P	S01	Storage - Container (cont)
2	D 0 1 7				
3	D 0 1 8				
4	D 0 1 9				
5	D 0 2 0				
6	D 0 2 1				
7	D 0 2 2				
8	D 0 2 3				
9	D 0 2 4				
10	D 0 2 5				
11	D 0 2 6				
12	D 0 2 7				
13	D 0 2 8				
14	D 0 2 9				
15	D 0 3 0				
16	D 0 3 1				
17	D 0 3 2				
18	D 0 3 3				
19	D 0 3 4				
20	D 0 3 5				
21	D 0 3 6				
22	D 0 3 7				
23	D 0 3 8				
24	W C 0 2				
25	W 0 0 1				
26	W P 0 1				

Continued from page 2.

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 8 9 6 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)				B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES							
							1. PROCESS CODES (enter)				2. PROCESS DESCRIPTION (if a code is not entered in D(1))			
1	W	P	0	2		P	S01							Storage - Container (cont)
2	W	T	0	1										
3	W	T	0	2										
4	F	0	0	1										
5	F	0	0	2										
6	F	0	0	3										
7	F	0	0	4										
8	F	0	0	5										
9	F	0	2	7										
10	F	0	3	9										Included With Above
11														
12														
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Continued from the front.

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM SECTION D(1) ON PAGE 3.

Mixed waste from the 222-S Analytical Laboratory Building flows by gravity to the 219-S Waste Handling Facility for treatment before transfer to the Double-Shell Tank System. Some mixed waste may require chemical treatment within the 222-S Laboratory Complex before introducing the mixed waste into the 219-S Waste Handling Facility. The mixed waste is considered corrosive (D002) because of the presence of nitric acid prior to treatment and sodium hydroxide following treatment. Treated mixed waste transferred to the Double-Shell Tank System consists of characteristic waste (D001, D002, and D003), toxic constituents (D004 through D043), state-only waste (WC02, WP01, WP02, WT01, and WT02), and spent halogenated and nonhalogenated solvent waste (F001, F002, F003, F004, and F005). Multi-source leachate (F039) is included as a waste derived from nonspecific source wastes F001 through F005. Before transfer, sodium nitrite is added to the mixed waste for corrosion protection of the Double-Shell Tank System (WT02).

The U.S. Department of Transportation-approved or equivalent 17C or 17H 55-gallon (208-liter) containers or other U.S. Department of Transportation-approved packages and overpacks of waste are stored in two metal storage structures located on a concrete pad before shipment to the Hanford Central Waste Complex (mixed waste) and/or the 616 Nonradioactive Dangerous Waste Storage Facility (nonradioactive dangerous waste). The contents of the containers are identified through process knowledge and sample results. The containers hold characteristic waste (D001, D002, and D003), toxic constituents (D004 through D038), spent halogenated and nonhalogenated solvent waste (F001, F002, F003, F004, and F005), nonspecific source waste (F027 and F039 as defined above), discarded polychlorinated biphenyls (W001), and state-only waste (WC02, WP01, WP02, WT01, and WT02).

V. FACILITY DRAWING

All existing facilities must include in the space provided on page 5 a scale drawing of the facility (see instructions for more detail).

VI. PHOTOGRAPHS

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas (see instructions for more detail).

VII. FACILITY GEOGRAPHIC LOCATION

This information is provided on the attached drawings and photos.

LATITUDE (degrees, minutes, & seconds)

LONGITUDE (degrees, minutes, & seconds)

VIII. FACILITY OWNER

☒ A. If the facility owner is also the facility operator as listed in Section VII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.

B. If the facility owner is not the facility operator as listed in Section VII on Form 1, complete the following items:

1. NAME OF FACILITY'S LEGAL OWNER

2. PHONE NO. (area code & no.)

3. STREET OR P.O. BOX

4. CITY OR TOWN

5. ST.

6. ZIP CODE

IX. OWNER CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

NAME (print or type)

John D. Wagoner, Manager
U.S. Department of Energy
Richland Operations Office

SIGNATURE

John D. Wagoner

DATE SIGNED

11/4/94

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

NAME (print or type)

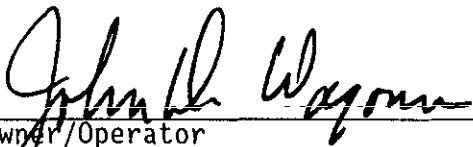
SEE ATTACHMENT

SIGNATURE

DATE SIGNED

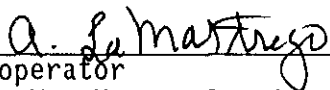
X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.



Owner/Operator
John D. Wagoner, Manager
U.S. Department of Energy
Richland Operations Office

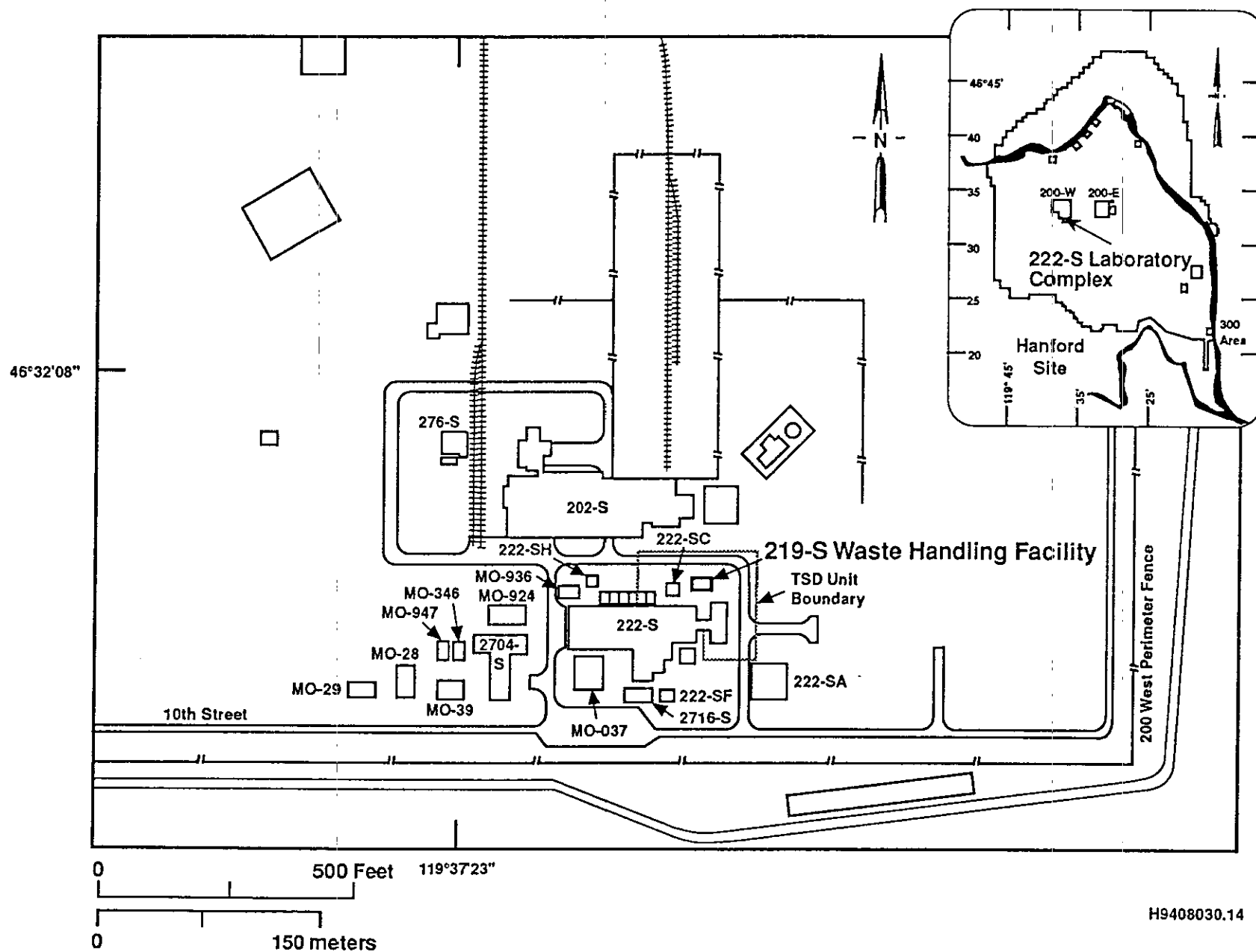
11/4/94
Date



Co-operator
A. LaMar Trego, President
Westinghouse Hanford Company

9/24/94
Date

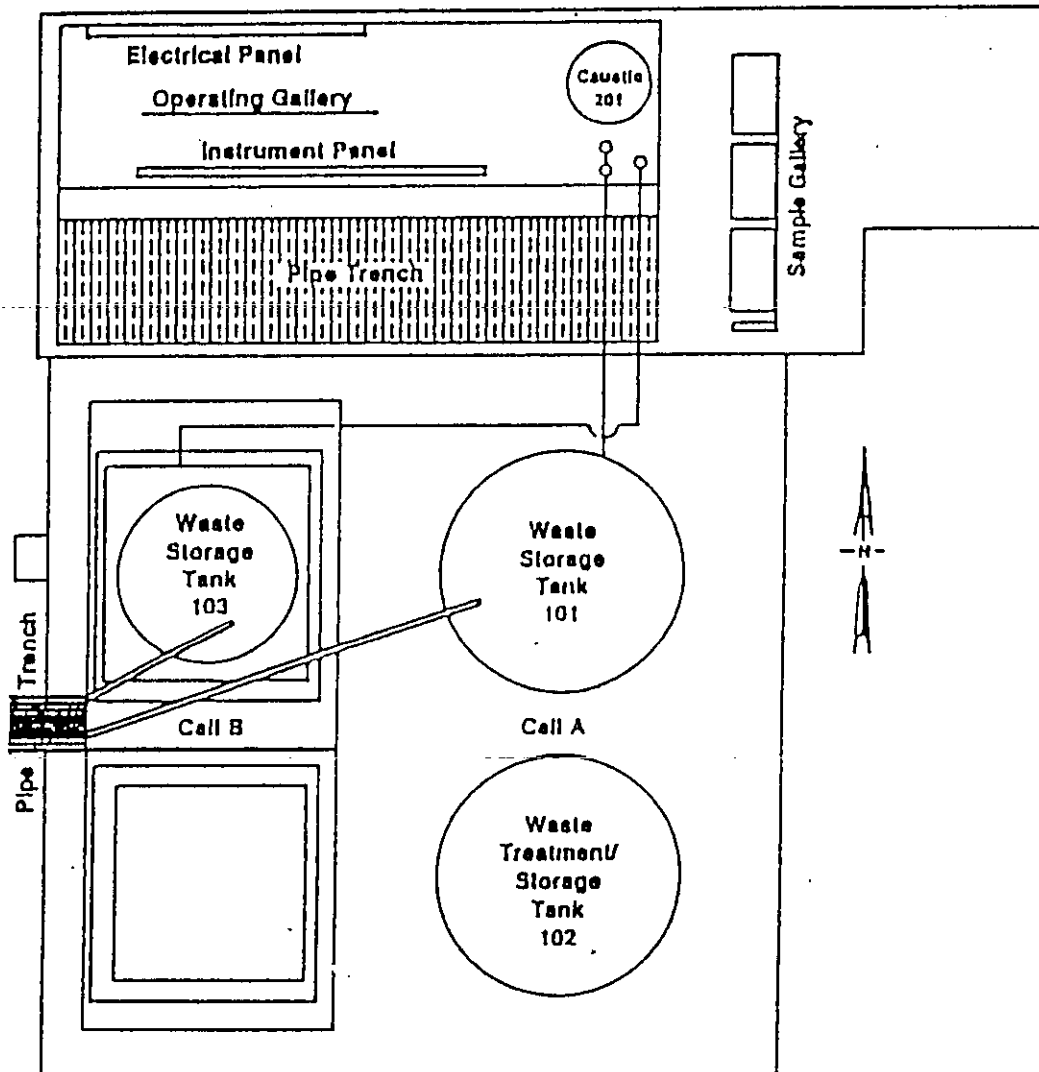
222-S Laboratory Complex 219-S Waste Handling Facility Tanks 101, 102, and 103 Site Plan



WA7890008967

WA7890008967

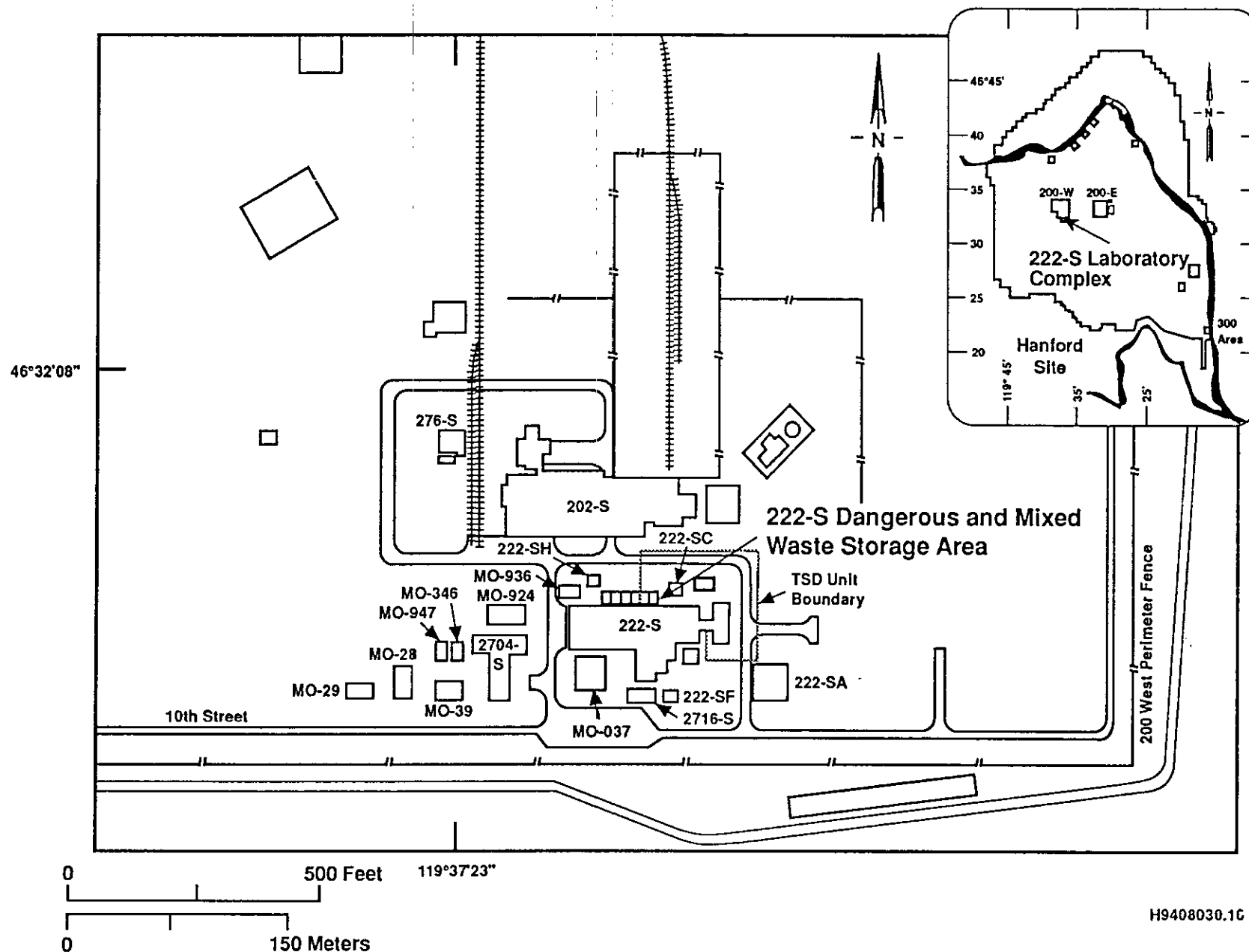
222-S LABORATORY COMPLEX



39109097.7

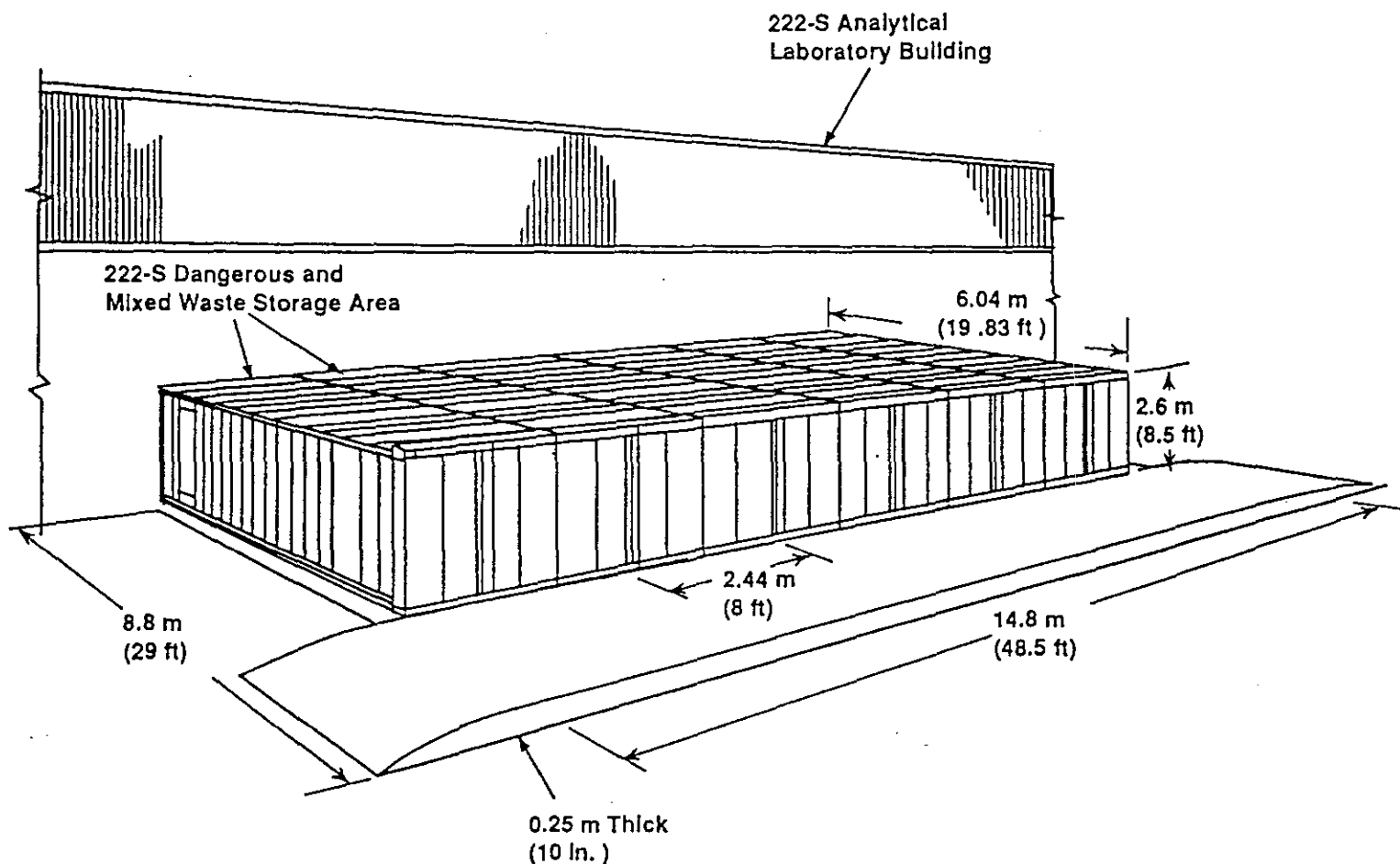
219-S WASTE HANDLING FACILITY
TANKS 101, 102, AND 103

222-S Laboratory Complex 222-S Dangerous and Mixed Waste Storage Area Site Plan



WA7890008967

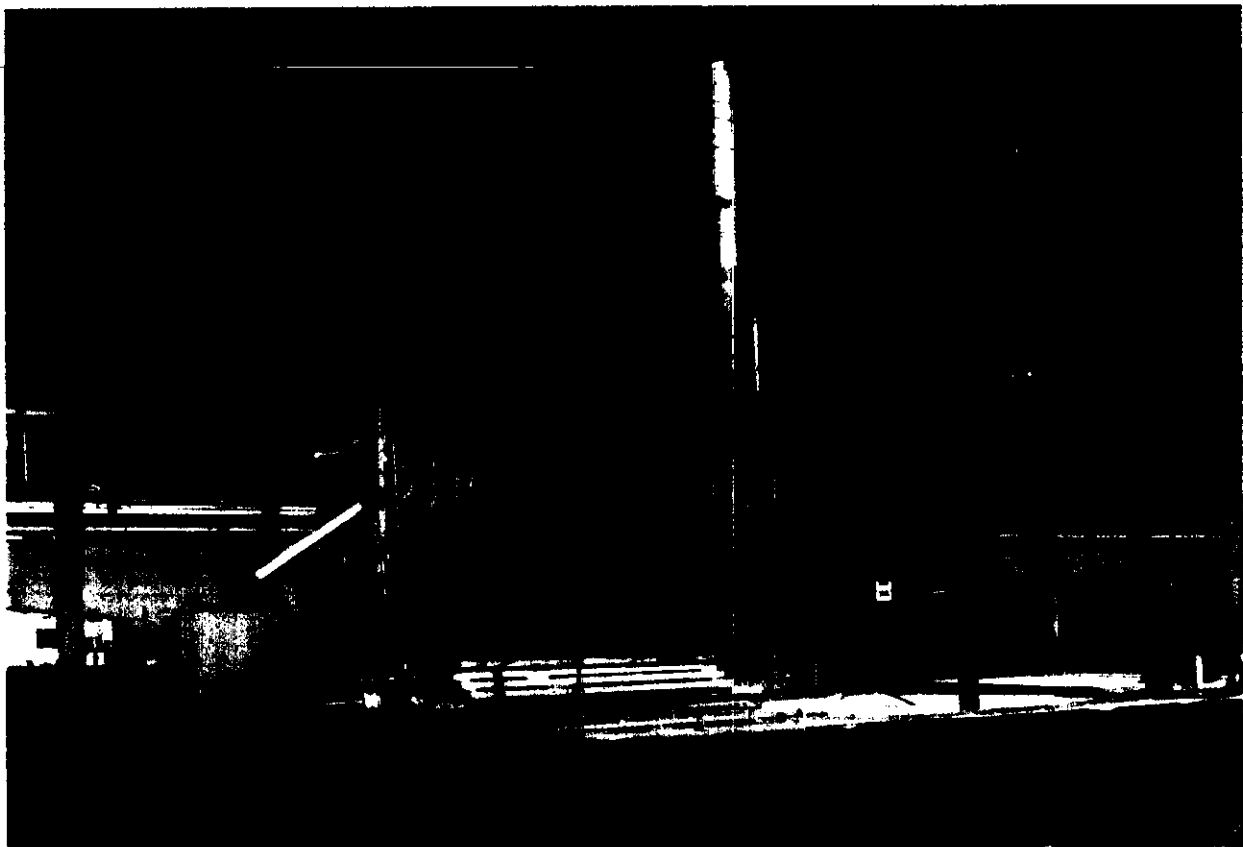
222-S Laboratory Complex



222-S Dangerous and Mixed Waste Storage Area

39106048.15

222-S LABORATORY COMPLEX

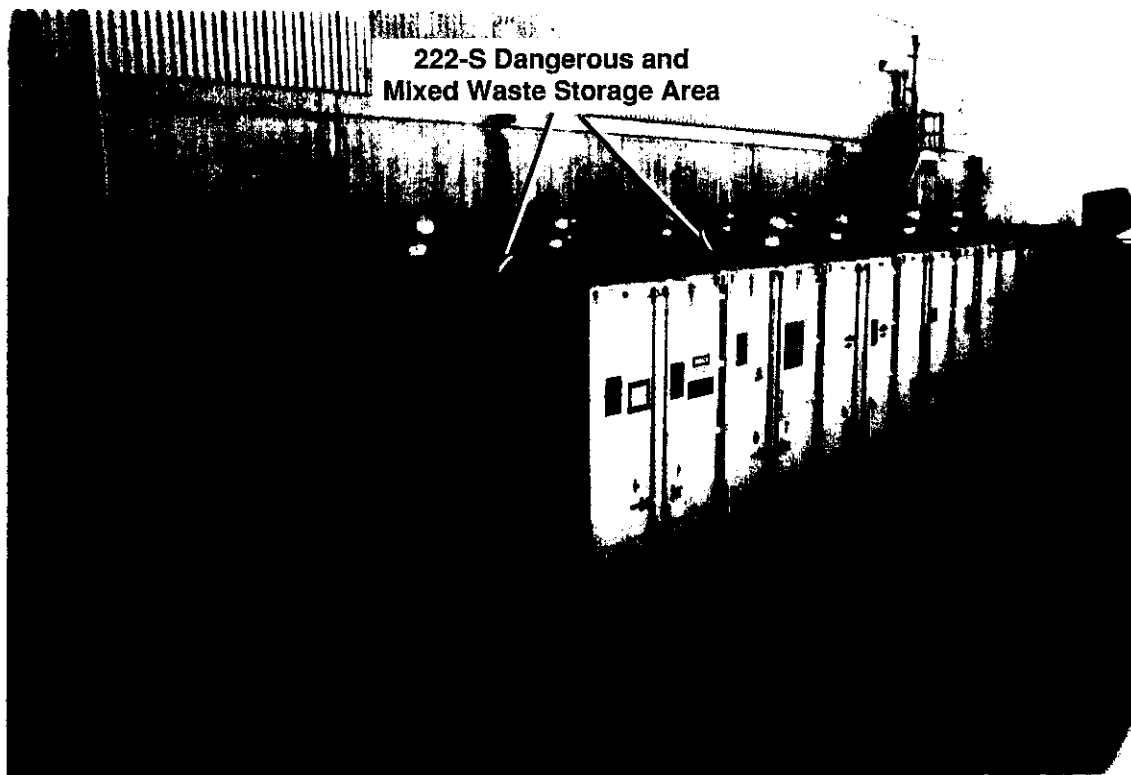


219-S Waste Handling Facility

46°32'02"
119°37'12"

91092605-2CN
(PHOTO TAKEN 1991)

222-S LABORATORY COMPLEX DANGEROUS AND MIXED WASTE STORAGE AREA



Metal Storage Structures on Storage Pad

46°32'02"
119°37'12"

91022217-24CN
(PHOTO TAKEN 1991)

222-S LABORATORY COMPLEX DANGEROUS AND MIXED WASTE STORAGE AREA



Metal Storage Structure Internal View

46°32'02"
119°37'12"

91022217-27CN
(PHOTO TAKEN 1991)

Please print or type in the unshaded areas only
(fill-in areas are spaced for elite type, i.e., 12 character/inch).

FORM 3	DANGEROUS WASTE PERMIT APPLICATION	1. EPA/STATE I.D. NUMBER <div style="border: 1px solid black; padding: 2px; text-align: center;"> W A 7 8 9 0 0 0 8 9 6 7 </div>																																																															
FOR OFFICIAL USE ONLY																																																																	
APPLICATION APPROVED	DATE RECEIVED (mo., day, & yr.)	COMMENTS																																																															
II. FIRST OR REVISED APPLICATION																																																																	
Place an "X" in the appropriate box in A or B below (mark one box only) to indicate whether this is the first application you are submitting for your facility or a revised application. If this is your first application and you already know your facility's EPA/STATE I.D. Number, or if this is a revised application, enter your facility's EPA/STATE I.D. Number in Section I above.																																																																	
A. FIRST APPLICATION (place an "X" below and provide the appropriate date)																																																																	
<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <input type="checkbox"/> 1. EXISTING FACILITY (See instructions for definition of "existing" facility. Complete item below.) </div> <div style="width: 48%;"> <input type="checkbox"/> 2. NEW FACILITY (Complete item below) </div> </div>																																																																	
<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <table border="1" style="width: 100%; text-align: center;"> <tr><td>MO.</td><td>DAY</td><td>YR.</td></tr> <tr><td>0 8</td><td></td><td>8 8</td></tr> </table> </div> <div style="width: 48%;"> <p>FOR EXISTING FACILITIES, PROVIDE THE DATE (mo., day, & yr.) OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (use the boxes to the left)</p> </div> </div>			MO.	DAY	YR.	0 8		8 8																																																									
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MO.	DAY	YR.																																																															
B. REVISED APPLICATION (place an "X" below and complete Section I above)																																																																	
<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <input checked="" type="checkbox"/> 1. FACILITY HAS AN INTERIM STATUS PERMIT </div> <div style="width: 48%;"> <input type="checkbox"/> 2. FACILITY HAS A FINAL PERMIT </div> </div>																																																																	
III. PROCESSES - CODES AND CAPACITIES																																																																	
A. PROCESS CODE - Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided for entering codes. If more lines are needed, enter the code(s) in the space provided. If a process will be used that is not included in the list of codes below, then describe the process (including its design capacity) in the space provided on the (Section III-C).																																																																	
B. PROCESS DESIGN CAPACITY - For each code entered in column A enter the capacity of the process.																																																																	
1. AMOUNT - Enter the amount.																																																																	
2. UNIT OF MEASURE - For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.																																																																	
<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">PROCESS</th> <th style="width: 10%;">PRO-CESS CODE</th> <th style="width: 30%;">APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY</th> <th style="width: 20%;">PROCESS</th> <th style="width: 10%;">PRO-CESS CODE</th> <th style="width: 30%;">APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY</th> </tr> </thead> <tbody> <tr> <td colspan="6">Storage:</td> </tr> <tr> <td>CONTAINER (barrel, drum, etc)</td> <td>S01</td> <td>GALLONS OR LITERS</td> <td>TANK</td> <td>T01</td> <td>GALLONS PER DAY OR LITERS PER DAY</td> </tr> <tr> <td>TANK</td> <td>S02</td> <td>GALLONS OR LITERS</td> <td>SURFACE IMPOUNDMENT</td> <td>T02</td> <td>GALLONS PER DAY OR LITERS PER DAY</td> </tr> <tr> <td>WASTE PILE</td> <td>S03</td> <td>CUBIC YARDS OR CUBIC METERS</td> <td>INCINERATOR</td> <td>T03</td> <td>TONS PER HOUR OR METRIC TONS PER HOUR; GALLONS PER HOUR OR LITERS PER HOUR</td> </tr> <tr> <td>SURFACE IMPOUNDMENT</td> <td>S04</td> <td>GALLONS OR LITERS</td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="6">Disposal:</td> </tr> <tr> <td>INJECTION WELL</td> <td>D80</td> <td>GALLONS OR LITERS</td> <td rowspan="4">OTHER (Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided; Section III-C.)</td> <td rowspan="4">T04</td> <td rowspan="4">GALLONS PER DAY OR LITERS PER DAY</td> </tr> <tr> <td>LANDFILL</td> <td>D81</td> <td>ACRE-FEET (the volume that would cover one acre to a depth of one foot) OR HECTARE-METER</td> </tr> <tr> <td>LAND APPLICATION</td> <td>D82</td> <td>ACRES OR HECTARES</td> </tr> <tr> <td>OCEAN DISPOSAL</td> <td>D83</td> <td>GALLONS PER DAY OR LITERS PER DAY</td> </tr> <tr> <td>SURFACE IMPOUNDMENT</td> <td>D84</td> <td>GALLONS OR LITERS</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>			PROCESS	PRO-CESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY	PROCESS	PRO-CESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY	Storage:						CONTAINER (barrel, drum, etc)	S01	GALLONS OR LITERS	TANK	T01	GALLONS PER DAY OR LITERS PER DAY	TANK	S02	GALLONS OR LITERS	SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY	WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS	INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR; GALLONS PER HOUR OR LITERS PER HOUR	SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS				Disposal:						INJECTION WELL	D80	GALLONS OR LITERS	OTHER (Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided; Section III-C.)	T04	GALLONS PER DAY OR LITERS PER DAY	LANDFILL	D81	ACRE-FEET (the volume that would cover one acre to a depth of one foot) OR HECTARE-METER	LAND APPLICATION	D82	ACRES OR HECTARES	OCEAN DISPOSAL	D83	GALLONS PER DAY OR LITERS PER DAY	SURFACE IMPOUNDMENT	D84	GALLONS OR LITERS			
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EXAMPLE FOR COMPLETING SECTION III (shown in line numbers X-1 and X-2 below): A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.																																																																	
LINE NUMBER	A. PRO-CESS CODE (from list above)	1. AMOUNT (specify)	2. UNIT OF MEASURE (enter code)	FOR OFFICIAL USE ONLY	LINE NUMBER	A. PRO-CESS CODE (from list above)	1. AMOUNT (specify)	2. UNIT OF MEASURE (enter code)	FOR OFFICIAL USE ONLY																																																								
X-1	S 0 2	600	G		5																																																												
X-2	T 0 3	20	E		6																																																												
1	S 0 1	22,710,000	L		7																																																												
2	T 0 4	45,420	V		8																																																												
3					9																																																												
4					10																																																												

Continued from the front.

III. PROCESSES (continued)

C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESS (code "T04"). FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

S01.T04

The Hanford Central Waste Complex consists of a Waste Receiving and Processing (WRAP) unit and storage units for mixed waste. The WRAP unit will provide central and mobile treatment units capable of treating up to 16,578,300 liters (4,379,500 gallons) per year of mixed waste in accordance with applicable codes and regulations. Treatment will include the absorption and solidification of free liquids, and the neutralization of corrosive materials. Mixed waste that is managed includes low-level waste (LLW) and transuranic waste (TRU). There is mixed waste stored temporarily on the Mixed Waste Storage Pad awaiting transfer when storage capacity becomes available in the mixed waste storage units. The mixed waste accepted for storage is managed in mixed waste storage units comprised of compliant storage structures. Waste that has less than 100°F flash point (ignitable) will be stored in the Low Flash Point Storage units. The storage design capacity for all the mixed waste storage units is 22,710,000 liters (5,999,300 gallons). The treatment design capacity for the storage units is included in the total identified for the WRAP unit. The treatment design capacity for WRAP is estimated to be 45,420 liters (12,000 gallons) per day of mixed waste.

IV. DESCRIPTION OF DANGEROUS WASTES

- A. DANGEROUS WASTE NUMBER - Enter the four digit number from Chapter 173-303 WAC for each listed dangerous waste you will handle. If you handle dangerous wastes which are not listed in Chapter 173-303 WAC, enter the four digit number(s) that describes the characteristics and/or the toxic contaminants of those dangerous wastes.
- B. ESTIMATED ANNUAL QUANTITY - For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.
- C. UNIT OF MEASURE - For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:

For listed dangerous waste: For each listed dangerous waste entered in column A select the code(s) from the list of process codes contained in Section III to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed dangerous wastes: For each characteristic or toxic contaminant entered in Column A, select the code(s) from the list of process codes contained in Section III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed dangerous wastes that possess that characteristic or toxic contaminant.

Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: DANGEROUS WASTES DESCRIBED BY MORE THAN ONE DANGEROUS WASTE NUMBER - Dangerous wastes that can be described by more than one Waste Number shall be described on the form as follows:

- Select one of the Dangerous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
- In column A of the next line enter the other Dangerous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.
- Repeat step 2 for each other Dangerous Waste Number that can be used to describe the dangerous waste.

EXAMPLE FOR COMPLETING SECTION IV (shown in line numbers X-1, X-2, X-3, and X-4 below) - A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

LINE NO.	A. DANGEROUS WASTE NO. (enter code)				B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)		D. PROCESSES									
	1. PROCESS CODES (enter)							2. PROCESS DESCRIPTION (if a code is not entered in D(1))									
X-1	K	0	5	4	900		P	T	0	3	D	8	0				
X-2	D	0	0	2	400		P	T	0	3	D	8	0				
X-3	D	0	0	1	100		P	T	0	3	D	8	0				
X-4	D	0	0	2				T	0	3	D	8	0			included with above	

Continued from page 2.

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 8 9 6 7

The following "Description of Dangerous Wastes" section (Pages 3 through 18 of 44) is for the HCWC mixed waste storage units.

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES	
				1. PROCESS CODES (enter)	2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	D 0 0 1	4,600	K	S01 T04	Storage/Treatment
2	D 0 0 2	300			
3	D 0 0 3				
4	D 0 0 4				
5	D 0 0 5				
6	D 0 0 6				
7	D 0 0 7				
8	D 0 0 8	45,400			
9	D 0 0 9	300			
10	D 0 1 0				
11	D 0 1 1				Included With Above
12	D 0 1 2	300	K	S01	Storage
13	D 0 1 6				
14	D 0 1 8				
15	D 0 1 9				
16	D 0 2 0				
17	D 0 2 1				
18	D 0 2 2				
19	D 0 2 3				
20	D 0 2 4				
21	D 0 2 5				
22	D 0 2 6				
23	D 0 2 7				
24	D 0 2 8				
25	D 0 2 9				
26	D 0 3 0				

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 8 9 6 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES	
				1. PROCESS CODES (enter)	2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	D 0 3 1	300	K	S01	Storage
2	D 0 3 2				
3	D 0 3 3				
4	D 0 3 4				
5	D 0 3 5				
6	D 0 3 6				
7	D 0 3 7				
8	D 0 3 8				
9	D 0 3 9				
10	D 0 4 0				
11	D 0 4 1				
12	D 0 4 2				
13	D 0 4 3				Included With Above
14	W T 0 1	363,200	K	S01 T04	Storage/Treatment
15	W T 0 2	36,400			
16	W P 0 1	3,700			
17	W P 0 2				
18	W P 0 3				
19	W C 0 2	7,400			
20	W 0 0 1	10,000			
21	F 0 0 1	3,700			
22	F 0 0 2				
23	F 0 0 3				
24	F 0 0 4				
25	F 0 0 5				
26	F 0 2 0	300			

Continued from page 2.

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 8 9 6 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)				B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES							
							1. PROCESS CODES (enter)				2. PROCESS DESCRIPTION (if a code is not entered in D(1))			
1	F	0	2	1	300	K	S	0	1	T	0	4		Storage/Treatment
2	F	0	2	2										
3	F	0	2	3										
4	F	0	2	6										
5	F	0	2	7										
6	F	0	2	8										
7	F	0	3	9										
8	U	0	0	1										
9	U	0	0	2										
10	U	0	0	3										
11	U	0	0	4										
12	U	0	0	5										
13	U	0	0	6										
14	U	0	0	7										
15	U	0	0	8										
16	U	0	0	9										
17	U	0	1	0										
18	U	0	1	1										
19	U	0	1	2										
20	U	0	1	4										
21	U	0	1	5										
22	U	0	1	6										
23	U	0	1	7										
24	U	0	1	8										
25	U	0	1	9	↓	↓	↓	↓						↓
26														

Continued from page 2.

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 8 9 6 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES			
				1. PROCESS CODES (enter)			
1	U 0 2 0	300	K	S01	T04		Storage/Treatment
2	U 0 2 1						
3	U 0 2 2						
4	U 0 2 3						
5	U 0 2 4						
6	U 0 2 5						
7	U 0 2 6						
8	U 0 2 7						
9	U 0 2 8						
10	U 0 2 9						
11	U 0 3 0						
12	U 0 3 1						
13	U 0 3 2						
14	U 0 3 3						
15	U 0 3 4						
16	U 0 3 5						
17	U 0 3 6						
18	U 0 3 7						
19	U 0 3 8						
20	U 0 3 9						
21	U 0 4 1						
22	U 0 4 2						
23	U 0 4 3						
24	U 0 4 4						
25	U 0 4 5						
26	U 0 4 6						

Continued from page 2.

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 8 9 8 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)				B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES							
							1. PROCESS CODES (enter)				2. PROCESS DESCRIPTION (if a code is not entered in D(1))			
1	U	0	4	7	300	K	S01	T04					Storage/Treatment	
2	U	0	4	8										
3	U	0	4	9										
4	U	0	5	0										
5	U	0	5	1										
6	U	0	5	2										
7	U	0	5	3										
8	U	0	5	5										
9	U	0	5	6										
10	U	0	5	7										
11	U	0	5	8										
12	U	0	5	9										
13	U	0	6	0										
14	U	0	6	1										
15	U	0	6	2										
16	U	0	6	3										
17	U	0	6	4										
18	U	0	6	6										
19	U	0	6	7										
20	U	0	6	8										
21	U	0	6	9										
22	U	0	7	0										
23	U	0	7	1										
24	U	0	7	2										
25	U	0	7	3										
26	U	0	7	4										

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 8 9 6 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)				B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES							
							1. PROCESS CODES (enter)				2. PROCESS DESCRIPTION (if a code is not entered in D(1))			
1	U	0	7	5	300	K	S01	T04						Storage/Treatment
2	U	0	7	6										
3	U	0	7	7										
4	U	0	7	8										
5	U	0	7	9										
6	U	0	8	0										
7	U	0	8	1										
8	U	0	8	2										
9	U	0	8	3										
10	U	0	8	4										
11	U	0	8	5										
12	U	0	8	6										
13	U	0	8	7										
14	U	0	8	8										
15	U	0	8	9										
16	U	0	9	0										
17	U	0	9	1										
18	U	0	9	2										
19	U	0	9	3										
20	U	0	9	4										
21	U	0	9	5										
22	U	0	9	6										
23	U	0	9	7										
24	U	0	9	8										
25	U	1	0	1										
26	U	1	0	2										

Continued from page 2.

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 8 9 6 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES							
				1. PROCESS CODES (enter)				2. PROCESS DESCRIPTION (if a code is not entered in D(1))			
1	U 1 0 7	300	K	S01	T04					Storage/Treatment	
2	U 1 0 8										
3	U 1 1 2										
4	U 1 1 3										
5	U 1 1 6										
6	U 1 1 7										
7	U 1 1 8										
8	U 1 1 9										
9	U 1 2 0										
10	U 1 2 3										
11	U 1 2 4										
12	U 1 3 4										
13	U 1 3 6										
14	U 1 3 7										
16	U 1 3 9										
16	U 1 4 0										
17	U 1 4 5										
18	U 1 4 6										
19	U 1 4 8										
20	U 1 4 9										
21	U 1 5 0										
22	U 1 5 1										
23	U 1 5 2										
24	U 1 5 3										
25	U 1 5 4										
26	U 1 5 5										

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)											
W A 7 8 9 0 0 0 8 9 6 7											
IV. DESCRIPTION OF DANGEROUS WASTES (continued)											
LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES							
				1. PROCESS CODES (enter)				2. PROCESS DESCRIPTION (if a code is not entered in D(1))			
1	U 1 5 6	300	K	S01	T04					Storage/Treatment	
2	U 1 5 7										
3	U 1 5 8										
4	U 1 5 9										
5	U 1 6 0										
6	U 1 6 1										
7	U 1 6 2										
8	U 1 6 3										
9	U 1 6 4										
10	U 1 6 5										
11	U 1 6 6										
12	U 1 6 7										
13	U 1 6 8										
14	U 1 6 9										
15	U 1 7 0										
16	U 1 7 1										
17	U 1 7 2										
18	U 1 7 3										
19	U 1 7 4										
20	U 1 7 5										
21	U 1 7 6										
22	U 1 7 7										
23	U 1 7 8										
24	U 1 7 9										
25	U 1 8 0										
26	U 1 8 1										

Continued from page 2.

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 8 9 6 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)				B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES							
	1.	2.	3.	4.			1. PROCESS CODES (enter)				2. PROCESS DESCRIPTION (if a code is not entered in D(1))			
1	U	1	8	2	300	K	S01	T04						Storage/Treatment
2	U	1	8	3										
3	U	1	8	4										
4	U	1	8	5										
5	U	1	8	6										
6	U	1	8	7										
7	U	1	8	8										
8	U	1	8	9										
9	U	1	9	0										
10	U	1	9	1										
11	U	1	9	2										
12	U	1	9	3										
13	U	1	9	4										
14	U	1	9	6										
15	U	1	9	7										
16	U	2	0	0										
17	U	2	0	1										
18	U	2	0	2										
19	U	2	0	3										
20	U	2	0	4										
21	U	2	0	5										
22	U	2	0	6										
23	U	2	0	7										
24	U	2	0	8										
25	U	2	0	9										
26	U	2	1	0										

Continued from page 2.

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 8 9 6 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES							
				1. PROCESS CODES (enter)				2. PROCESS DESCRIPTION (if a code is not entered in D(1))			
1	U 2 1 1	300	K	S01	T04					Storage/Treatment	
2	U 2 1 2										
3	U 2 1 3										
4	U 2 1 4										
5	U 2 1 5										
6	U 2 1 6										
7	U 2 1 7										
8	U 2 1 8										
9	U 2 1 9										
10	U 2 2 0										
11	U 2 2 1										
12	U 2 2 2										
13	U 2 2 3										
14	U 2 2 5										
15	U 2 2 6										
16	U 2 2 7										
17	U 2 2 8										
18	U 2 3 2										
19	U 2 3 3										
20	U 2 3 4										
21	U 2 3 5										
22	U 2 3 6										
23	U 2 3 7										
24	U 2 3 8										
25	U 2 3 9										
26											

Continued from page 2.

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 8 9 8 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES			
				1. PROCESS CODES (enter)			
1	U 2 4 0	300	K	S01	T04		Storage/Treatment
2	U 2 4 3						
3	U 2 4 4						
4	U 2 4 5						
5	U 2 4 6						
6	U 2 4 7						
7	U 2 4 8	500					
8	U 2 4 9						
9	U 3 2 8						
10	U 3 5 3						
11	U 3 5 9						Included With Above
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 8 9 6 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES	
				1. PROCESS CODES (enter)	2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	P 0 0 1	300	K	S01 T04	Storage/Treatment
2	P 0 0 2				
3	P 0 0 3				
4	P 0 0 4				
5	P 0 0 5				
6	P 0 0 6				
7	P 0 0 7				
8	P 0 0 8				
9	P 0 0 9				
10	P 0 1 0				
11	P 0 1 1				
12	P 0 1 2				
13	P 0 1 3				
14	P 0 1 4				
15	P 0 1 5				
16	P 0 1 6				
17	P 0 1 7				
18	P 0 1 8				
19	P 0 2 0				
20	P 0 2 1				
21	P 0 2 2				
22	P 0 2 3				
23	P 0 2 4				
24	P 0 2 5				
25	P 0 2 6				
26	P 0 2 7				

Continued from page 2.

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 8 9 6 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES	
				1. PROCESS CODES (enter)	2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	P 0 2 8	300	K	S01 T04	Storage/Treatment
2	P 0 2 9				
3	P 0 3 0				
4	P 0 3 1				
5	P 0 3 3				
6	P 0 3 4				
7	P 0 3 6				
8	P 0 3 7				
9	P 0 3 8				
10	P 0 3 9				
11	P 0 4 0				
12	P 0 4 1				
13	P 0 4 2				
14	P 0 4 3				
15	P 0 4 4				
16	P 0 4 5				
17	P 0 4 6				
18	P 0 4 7				
19	P 0 4 8				
20	P 0 4 9				
21	P 0 5 0				
22	P 0 5 1				
23	P 0 5 4				
24	P 0 5 6				
25	P 0 5 7				
26	P 0 5 8				

Continued from page 2.

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 8 9 6 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)				B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES							
							1. PROCESS CODES (enter)				2. PROCESS DESCRIPTION (if a code is not entered in D(1))			
1	P	0	5	9	300	K	S01	T04					Storage/Treatment	
2	P	0	6	0										
3	P	0	6	2										
4	P	0	6	3										
5	P	0	6	4										
6	P	0	6	5										
7	P	0	6	6										
8	P	0	6	7										
9	P	0	6	8										
10	P	0	6	9										
11	P	0	7	0										
12	P	0	7	1										
13	P	0	7	2										
14	P	0	7	3										
15	P	0	7	4										
16	P	0	7	5										
17	P	0	7	5										
18	P	0	7	6										
19	P	0	7	7										
20	P	0	7	8										
21	P	0	8	1										
22	P	0	8	2										
23	P	0	8	4										
24	P	0	8	5										
25	P	0	8	7										
26	P	0	8	8										

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 8 9 6 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES							
				1. PROCESS CODES (enter)				2. PROCESS DESCRIPTION (if a code is not entered in D(1))			
1	P 0 8 9	300	K	S01	T04					Storage/Treatment	
2	P 0 9 2										
3	P 0 9 3										
4	P 0 9 4										
5	P 0 9 5										
6	P 0 9 6										
7	P 0 9 7										
8	P 0 9 8										
9	P 0 9 9										
10	P 1 0 1										
11	P 1 0 2										
12	P 1 0 3										
13	P 1 0 4										
14	P 1 0 5										
15	P 1 0 6										
16	P 1 0 7										
17	P 1 0 8										
18	P 1 0 9										
19	P 1 1 0										
20	P 1 1 1										
21	P 1 1 2										
22	P 1 1 3										
23	P 1 1 4										
24	P 1 1 5										
25	P 1 1 6										
26	P 1 1 8										

Continued from page 2.

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 8 9 8 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES	
				1. PROCESS CODES (enter)	2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	P 1 1 9	300	K	S01 T04	Storage/Treatment
2	P 1 2 0				
3	P 1 2 1				
4	P 1 2 2				
5	P 1 2 3				Included With Above
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

Continued from page 2.

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 8 9 6 7

The following "Description of Dangerous Wastes" section (Pages 19 through 35 of 44) is for the HCWC WRAP unit.

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES	
				1. PROCESS CODES (enter)	2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	D 0 0 1	20,000	K	T04	Treatment
2	D 0 0 2	15,000			
3	D 0 0 3	500			
4	D 0 0 4	50			
5	D 0 0 5	400			
6	D 0 0 6	117			
7	D 0 0 7	400			
8	D 0 0 8	↓			
9	D 0 0 9	800			
10	D 0 1 0	10			
11	D 0 1 1	20			
12	D 0 1 2	300			
13	D 0 1 6				
14	D 0 1 8				
15	D 0 1 9				
16	D 0 2 0				
17	D 0 2 1				
18	D 0 2 2				
19	D 0 2 3				
20	D 0 2 4				
21	D 0 2 5				
22	D 0 2 6				
23	D 0 2 7				
24	D 0 2 8				
25	D 0 2 9				
26	D 0 3 0	↓	↓	↓	↓

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 8 9 6 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES	
				1. PROCESS CODES (enter)	2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	D 0 3 1	300	K	T04	Treatment
2	D 0 3 2				
3	D 0 3 3				
4	D 0 3 4				
5	D 0 3 5				
6	D 0 3 6				
7	D 0 3 7				
8	D 0 3 8				
9	D 0 3 9				
10	D 0 4 0				
11	D 0 4 1				
12	D 0 4 2				
13	D 0 4 3	↓			
14	W T 0 1	16,000			
15	W T 0 2	22,000			
16	W P 0 1	12,000			
17	W P 0 2	3,000			
18	W P 0 3	2,000			
19	W C 0 2	7,000			
20	F 0 0 1	4,000			
21	F 0 0 2	4,500			
22	F 0 0 3	6,500			
23	F 0 0 4	570			
24	F 0 0 5	6,000			
25	F 0 2 0	300			
26	F 0 2 1	↓	↓	↓	↓

Continued from page 2.

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 8 9 6 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES	
				1. PROCESS CODES (enter)	2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	F 0 2 2	300	K	T04	Treatment
2	F 0 2 3	↓			
3	F 0 2 6	↓			
4	F 0 2 7	500			
5	F 0 2 8	300			
6	F 0 3 9	500			
7	U 0 0 1	500			
8	U 0 0 2	1,000			
9	U 0 0 3	↓			
10	U 0 0 4	500			
11	U 0 0 5				
12	U 0 0 6				
13	U 0 0 7				
14	U 0 0 8				
15	U 0 0 9				
16	U 0 1 0				
17	U 0 1 1				
18	U 0 1 2				
19	U 0 1 4				
20	U 0 1 5				
21	U 0 1 6				
22	U 0 1 7				
23	U 0 1 8				
24	U 0 1 9				
25	U 0 2 0				
26	U 0 2 1	↓	↓	↓	↓

Continued from page 2.

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 8 9 6 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES	
				1. PROCESS CODES (enter)	2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	U 0 2 2	500	K	T04	Treatment
2	U 0 2 3				
3	U 0 2 4				
4	U 0 2 5				
5	U 0 2 6				
6	U 0 2 7				
7	U 0 2 8				
8	U 0 2 9				
9	U 0 3 0				
10	U 0 3 1	↓			
11	U 0 3 2	1,000			
12	U 0 3 3	500			
13	U 0 3 4				
14	U 0 3 5				
15	U 0 3 6				
16	U 0 3 7				
17	U 0 3 8				
18	U 0 3 9				
19	U 0 4 1				
20	U 0 4 2				
21	U 0 4 3	↓			
22	U 0 4 4	1,000			
23	U 0 4 5	500			
24	U 0 4 6				
25	U 0 4 7				
26	U 0 4 8	↓	↓	↓	↓

Continued from page 2.

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 8 9 6 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES	
				1. PROCESS CODES (enter)	2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	U 0 4 9	500	K	T04	Treatment
2	U 0 5 0	↓			
3	U 0 5 1	2,000			
4	U 0 5 2	500			
5	U 0 5 3				
6	U 0 5 5				
7	U 0 5 6				
8	U 0 5 7				
9	U 0 5 8				
10	U 0 5 9				
11	U 0 6 0				
12	U 0 6 1				
13	U 0 6 2				
14	U 0 6 3				
15	U 0 6 4				
16	U 0 6 6				
17	U 0 6 7				
18	U 0 6 8				
19	U 0 6 9				
20	U 0 7 0				
21	U 0 7 1				
22	U 0 7 2				
23	U 0 7 3				
24	U 0 7 4				
25	U 0 7 5				
26	U 0 7 6	↓	↓	↓	↓

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 8 9 6 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES	
				1. PROCESS CODES (enter)	2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	U 0 7 7	500	K	T04	Treatment
2	U 0 7 8				
3	U 0 7 9				
4	U 0 8 0				
5	U 0 8 1				
6	U 0 8 2				
7	U 0 8 3				
8	U 0 8 4				
9	U 0 8 5				
10	U 0 8 6				
11	U 0 8 7				
12	U 0 8 8				
13	U 0 8 9				
14	U 0 9 0				
15	U 0 9 1				
16	U 0 9 2				
17	U 0 9 3				
18	U 0 9 4				
19	U 0 9 5				
20	U 0 9 6				
21	U 0 9 7				
22	U 0 9 8				
23	U 0 9 9				
24	U 1 0 1				
25	U 1 0 2				
26	U 1 0 3				

Continued from page 2.

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 8 9 8 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES	
				1. PROCESS CODES (enter)	2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	U 1 0 5	500	K	T04	Treatment
2	U 1 0 6				
3	U 1 0 7				
4	U 1 0 8				
5	U 1 0 9				
6	U 1 1 0				
7	U 1 1 1				
8	U 1 1 2				
9	U 1 1 3				
10	U 1 1 4				
11	U 1 1 5				
12	U 1 1 6				
13	U 1 1 7				
14	U 1 1 8				
15	U 1 1 9				
16	U 1 2 0				
17	U 1 2 1				
18	U 1 2 2				
19	U 1 2 3				
20	U 1 2 4				
21	U 1 2 5				
22	U 1 2 6				
23	U 1 2 7				
24	U 1 2 8				
25	U 1 2 9				
26	U 1 3 0				

Continued from page 2.

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 8 9 6 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES	
				1. PROCESS CODES (enter)	2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	U 1 3 1	500	K	T04	Treatment
2	U 1 3 2	↓			
3	U 1 3 3	5,000			
4	U 1 3 4	1,000			
5	U 1 3 5	500			
6	U 1 3 6				
7	U 1 3 7				
8	U 1 3 8				
9	U 1 3 9				
10	U 1 4 0				
11	U 1 4 1				
12	U 1 4 2				
13	U 1 4 3				
14	U 1 4 4	↓			
15	U 1 4 5	1,000			
16	U 1 4 6	500			
17	U 1 4 7				
18	U 1 4 8				
19	U 1 4 9				
20	U 1 5 0	↓			
21	U 1 5 1	5,000			
22	U 1 5 2	500			
23	U 1 5 3	↓			
24	U 1 5 4	1,000			
25	U 1 5 5	500			
26	U 1 5 6	↓	↓	↓	↓

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W A 7 B 9 0 0 0 8 9 6 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES	
				1. PROCESS CODES (enter)	2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	U 1 5 7	500	K	T04	Treatment
2	U 1 5 8				
3	U 1 5 9				
4	U 1 6 0				
5	U 1 6 1				
6	U 1 6 2				
7	U 1 6 3				
8	U 1 6 4				
9	U 1 6 5				
10	U 1 6 6				
11	U 1 6 7				
12	U 1 6 8				
13	U 1 6 9				
14	U 1 7 0				
15	U 1 7 1				
16	U 1 7 2				
17	U 1 7 3				
18	U 1 7 4				
19	U 1 7 5				
20	U 1 7 6				
21	U 1 7 7				
22	U 1 7 8				
23	U 1 7 9				
24	U 1 8 0				
25	U 1 8 1				
26	U 1 8 2				

Continued from page 2.

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 8 9 8 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)				B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES							
							1. PROCESS CODES (enter)				2. PROCESS DESCRIPTION (if a code is not entered in D(1))			
1	U	1	8	3	500	K	T04							Treatment
2	U	1	8	4										
3	U	1	8	5										
4	U	1	8	6	300									
5	U	1	8	7	500									
6	U	1	8	8	300									
7	U	1	8	9	500									
8	U	1	9	0										
9	U	1	9	1										
10	U	1	9	2										
11	U	1	9	3										
12	U	1	9	4										
13	U	1	9	6										
14	U	1	9	7										
15	U	2	0	0										
16	U	2	0	1										
17	U	2	0	2										
18	U	2	0	3										
19	U	2	0	4										
20	U	2	0	5										
21	U	2	0	6										
22	U	2	0	7										
23	U	2	0	8										
24	U	2	0	9										
25	U	2	1	0	1,500									
26	U	2	1	1	5,000									

Continued from page 2.

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 8 9 6 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES	
				1. PROCESS CODES (enter)	2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	U 2 1 2	500	k	T04	Treatment
2	U 2 1 3				
3	U 2 1 4				
4	U 2 1 5				
5	U 2 1 6				
6	U 2 1 7				
7	U 2 1 8				
8	U 2 1 9	↓			
9	U 2 2 0	1,500			
10	U 2 2 1	500			
11	U 2 2 2	↓			
12	U 2 2 3	1,500			
13	U 2 2 5	↓			
14	U 2 2 6	5,000			
15	U 2 2 7	500			
16	U 2 2 8	1,000			
17	U 2 3 2	↓			
18	U 2 3 3	↓			
19	U 2 3 4	500			
20	U 2 3 5	1,000			
21	U 2 3 6	↓			
22	U 2 3 7	↓			
23	U 2 3 8	500			
24	U 2 3 9	1,000			
25	U 2 4 0	300			
26	U 2 4 3	1,000	↓	↓	↓

Continued from page 2.

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 8 9 6 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES	
				1. PROCESS CODES (enter)	2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	U 2 4 4	1,000	K	T04	Treatment
2	U 2 4 5	300			
3	U 2 4 6				
4	U 2 4 7				
5	U 2 4 8	500			
6	U 2 4 9				
7	U 3 2 8				
8	U 3 5 3				
9	U 3 5 9				Included With Above
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

Continued from page 2.

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 8 9 6 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES			
				1. PROCESS CODES (enter)			
1	P 0 0 1	500	K	T04	S01		Treatment/Storage
2	P 0 0 2						
3	P 0 0 3						
4	P 0 0 4						
5	P 0 0 5						
6	P 0 0 6						
7	P 0 0 7						
8	P 0 0 8						
9	P 0 0 9						
10	P 0 1 0						
11	P 0 1 1						
12	P 0 1 2						
13	P 0 1 3						
14	P 0 1 4						
15	P 0 1 5						
16	P 0 1 6						
17	P 0 1 7						
18	P 0 1 8						
19	P 0 2 0						
20	P 0 2 1						
21	P 0 2 2						
22	P 0 2 3						
23	P 0 2 4						
24	P 0 2 5						
25	P 0 2 6						
26	P 0 2 7						

Continued from page 2.

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)											
W A 7 8 9 0 0 0 8 9 6 7											
IV. DESCRIPTION OF DANGEROUS WASTES (continued)											
LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES							
				1. PROCESS CODES (enter)				2. PROCESS DESCRIPTION (if a code is not entered in D(1))			
1	P 0 2 8	500	K	T04	S01						Treatment/Storage
2	P 0 2 9										
3	P 0 3 0										
4	P 0 3 1										
5	P 0 3 3										
6	P 0 3 4										
7	P 0 3 6										
8	P 0 3 7										
9	P 0 3 8										
10	P 0 3 9										
11	P 0 4 0										
12	P 0 4 1										
13	P 0 4 2										
14	P 0 4 3										
15	P 0 4 4										
16	P 0 4 5										
17	P 0 4 6										
18	P 0 4 7										
19	P 0 4 8										
20	P 0 4 9										
21	P 0 5 0										
22	P 0 5 1										
23	P 0 5 4										
24	P 0 5 6										
25	P 0 5 7										
26	P 0 5 8										

Continued from page 2.

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 8 9 6 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES	
				1. PROCESS CODES (enter)	2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	P 0 5 9	500	K	T04 S01	Treatment/Storage
2	P 0 6 0				
3	P 0 6 2				
4	P 0 6 3				
5	P 0 6 4				
6	P 0 6 5				
7	P 0 6 6				
8	P 0 6 7				
9	P 0 6 8				
10	P 0 6 9				
11	P 0 7 0				
12	P 0 7 1				
13	P 0 7 2				
14	P 0 7 3				
15	P 0 7 4				
16	P 0 7 5				
17	P 0 7 6				
18	P 0 7 7				
19	P 0 7 8				
20	P 0 8 1				
21	P 0 8 2				
22	P 0 8 4				
23	P 0 8 5				
24	P 0 8 7				
25	P 0 8 8				
26	P 0 8 9				

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)											
W A 7 8 9 0 0 0 8 9 6 7											
IV. DESCRIPTION OF DANGEROUS WASTES (continued)											
LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES							
				1. PROCESS CODES (enter)				2. PROCESS DESCRIPTION (if a code is not entered in D(1))			
1	P 0 9 2	500	K	T04	S01						Treatment/Storage
2	P 0 9 3										
3	P 0 9 4										
4	P 0 9 5										
5	P 0 9 6										
6	P 0 9 7										
7	P 0 9 8										
8	P 0 9 9										
9	P 1 0 1										
10	P 1 0 2										
11	P 1 0 3										
12	P 1 0 4										
13	P 1 0 5										
14	P 1 0 6										
15	P 1 0 7										
16	P 1 0 8										
17	P 1 0 9										
18	P 1 1 0										
19	P 1 1 1										
20	P 1 1 2										
21	P 1 1 3										
22	P 1 1 4										
23	P 1 1 5										
24	P 1 1 6										
25	P 1 1 8										
26	P 1 1 9										

Continued from page 2.

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W A 7 B 9 0 0 0 8 9 6 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES			
				1. PROCESS CODES (enter)			
1	P 1 2 0	500	K	T04	S01		Treatment/Storage
2	P 1 2 1						
3	P 1 2 2						
4	P 1 2 3						Included with above
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							

Continued from the front.

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM SECTION D(1) ON PAGE 3.

The mixed waste managed at the Hanford Central Waste Complex includes mixed waste generated from various operations both on and off the Hanford Facility. Waste consists of listed waste, waste from nonspecific sources, characteristic waste, and state-only waste (extremely hazardous and dangerous waste). Multi-source leachate (F039) is included as a waste derived from nonspecific source wastes F001 through F005.

V. FACILITY DRAWING

All existing facilities must include in the space provided on page 5 a scale drawing of the facility (see instructions for more detail).

VI. PHOTOGRAPHS

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas (see instructions for more detail).

VII. FACILITY GEOGRAPHIC LOCATION

This information is provided on the attached drawings and photos.

LATITUDE (degrees, minutes, & seconds)

LONGITUDE (degrees, minutes, & seconds)

VIII. FACILITY OWNER

☒ A. If the facility owner is also the facility operator as listed in Section VII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.

B. If the facility owner is not the facility operator as listed in Section VII on Form 1, complete the following items:

1. NAME OF FACILITY'S LEGAL OWNER

2. PHONE NO. (area code & no.)

3. STREET OR P.O. BOX

4. CITY OR TOWN

5. ST.

6. ZIP CODE

IX. OWNER CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

NAME (print or type)

John D. Wagoner, Manager
U.S. Department of Energy
Richland Operations Office

SIGNATURE

John D. Wagoner

DATE SIGNED

11/4/94

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

NAME (print or type)

SEE ATTACHMENT

SIGNATURE

DATE SIGNED

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

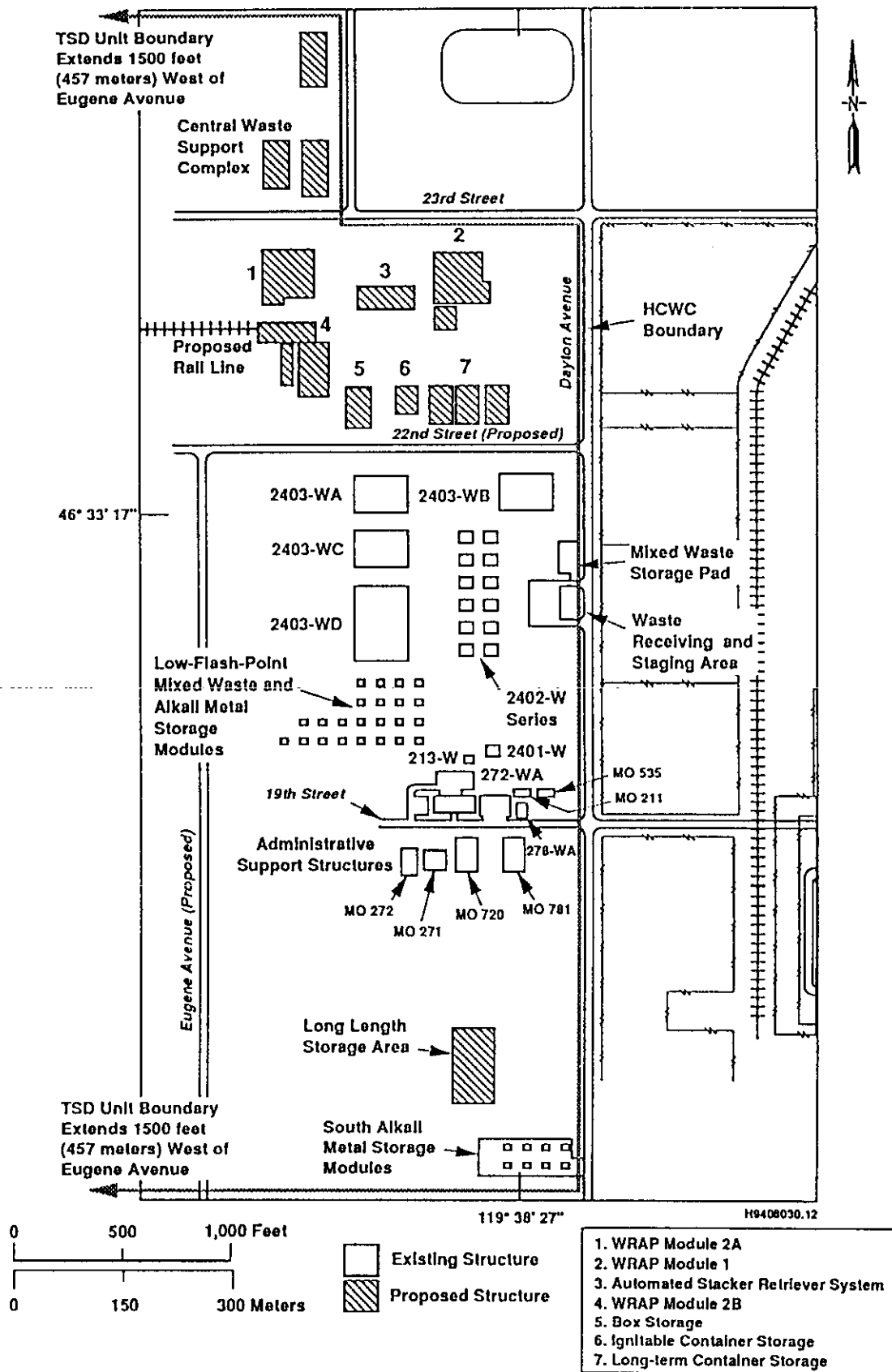
John D. Wagoner
Owner/Operator
John D. Wagoner, Manager
U.S. Department of Energy
Richland Operations Office

11/4/94
Date

A. LaMar Trego
Co-operator
A. LaMar Trego, President
Westinghouse Hanford Company

9/20/94
Date

Hanford Central Waste Complex Site Plan



HANFORD CENTRAL WASTE COMPLEX AERIAL VIEW

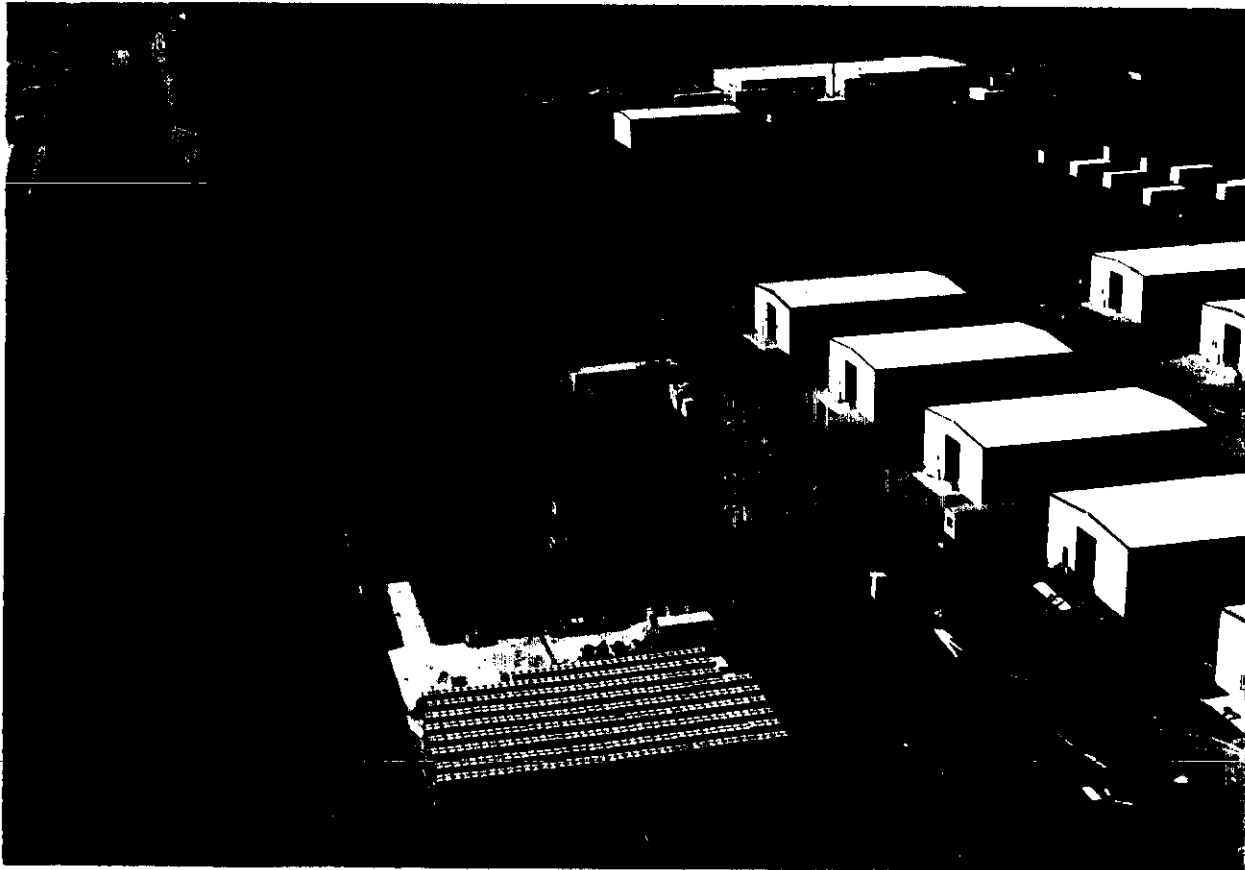


[Photograph does not reflect recent construction; HCWC Site Plan (Page 38 of 44) shows current site development.]

46°33'17"
119°38'27"

90041251-5CN
(PHOTO TAKEN 1990)

HANFORD CENTRAL WASTE COMPLEX AERIAL VIEW - WASTE UNLOADING AND STAGING AREA PAD AND MIXED WASTE STORAGE PAD



[Photograph does not reflect recent construction; HCWC Site Plan (Page 38 of 44) shows current site development.]

46°33'17"
119°38'27"

90060807-89CN
(PHOTO TAKEN 1990)

HANFORD CENTRAL WASTE COMPLEX AERIAL VIEW - LOW FLASH POINT STORAGE BUILDINGS

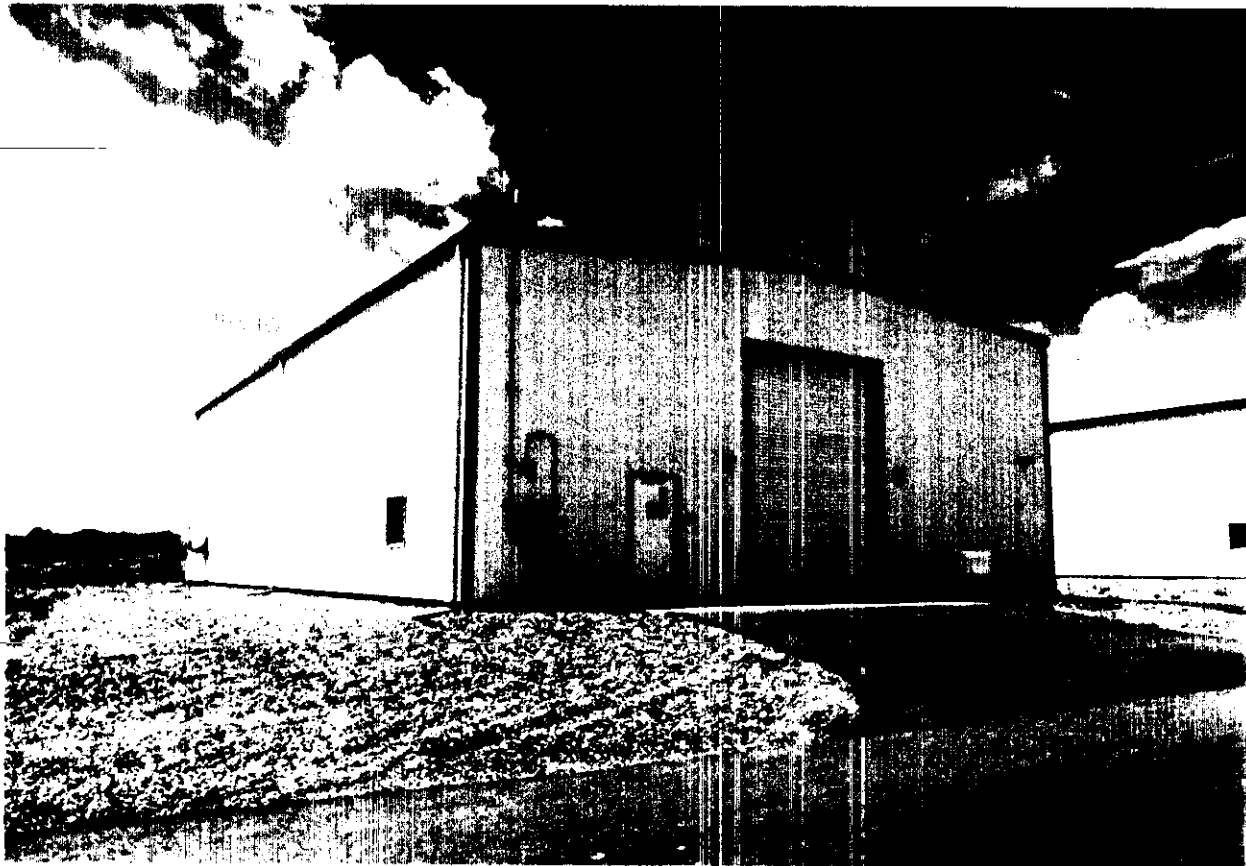


[Photograph does not reflect recent construction; HCWC Site Plan (Page 38 of 44) shows current site development.]

46°33'17"
119°38'27"

90060807-91CN
(PHOTO TAKEN 1990)

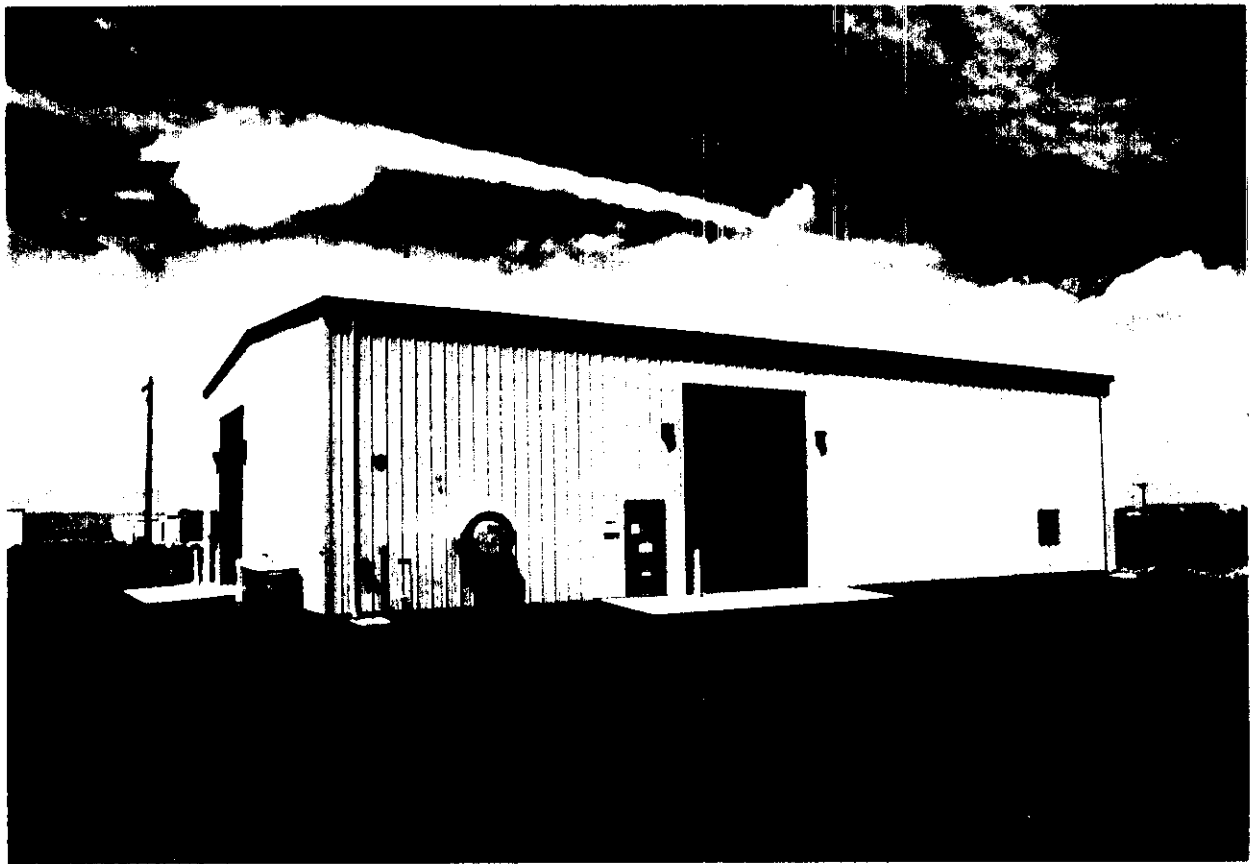
HANFORD CENTRAL WASTE COMPLEX MIXED WASTE STORAGE BUILDING - TYPICAL



46°33'17"
119°38'27"

90061110-26CN
(PHOTO TAKEN 1990)

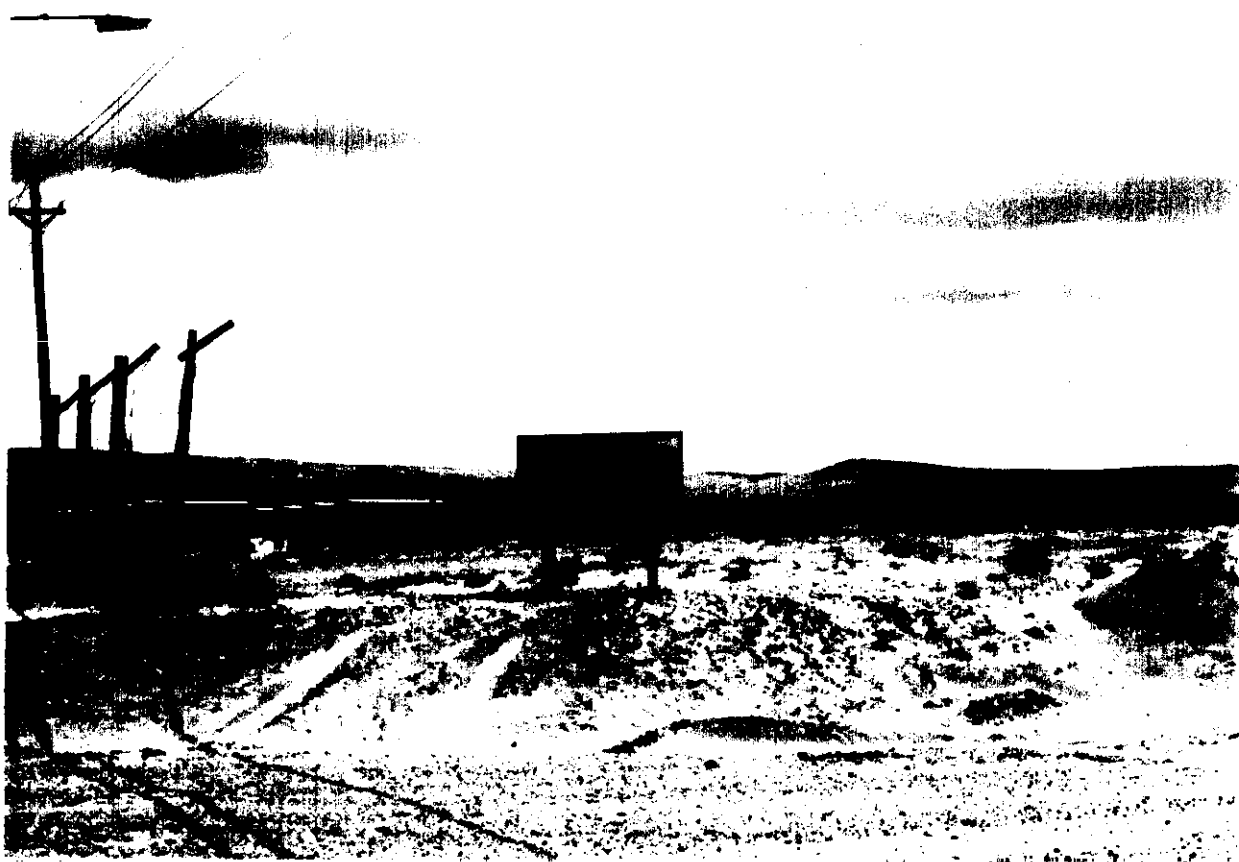
HANFORD CENTRAL WASTE COMPLEX Pu/PCB STORAGE BUILDINGS



46°33'17"
119°38'27"

90061110-44CN
(PHOTO TAKEN 1990)

HANFORD CENTRAL WASTE COMPLEX WASTE RECEIVING AND PROCESSING FACILITY (WRAP) - PROPOSED VIEW



[Photograph does not reflect recent construction; HCWC Site Plan (Page 38 of 44) shows current site development.]

46°33'17"
119°38'27"

90061110-53CN
(PHOTO TAKEN 1990)

Please print or type in the unshaded areas only
(fill-in areas are spaced for elite type, i.e., 12 character/inch).

FORM 3	DANGEROUS WASTE PERMIT APPLICATION	1. EPA/STATE I.D. NUMBER <div style="border: 1px solid black; padding: 2px; text-align: center;"> W A 7 8 9 0 0 0 8 9 6 7 </div>
------------------	---	---

FOR OFFICIAL USE ONLY		COMMENTS
APPLICATION APPROVED	DATE RECEIVED (mo., day, & yr.)	

II. FIRST OR REVISED APPLICATION
Place an "X" in the appropriate box in A or B below (mark one box only) to indicate whether this is the first application you are submitting for your facility or a revised application. If this is your first application and you already know your facility's EPA/STATE I.D. Number, or if this is a revised application, enter your facility's EPA/STATE I.D. Number in Section I above.

A. FIRST APPLICATION (place an "X" below and provide the appropriate date)													
<input type="checkbox"/> 1. EXISTING FACILITY (See instructions for definition of "existing" facility. Complete item below.)	<input type="checkbox"/> 2. NEW FACILITY (Complete item below)												
<table style="width: 100%;"> <tr> <td style="text-align: center;">MO.</td> <td style="text-align: center;">DAY</td> <td style="text-align: center;">YR.</td> </tr> <tr> <td style="text-align: center;">0 1</td> <td style="text-align: center;"></td> <td style="text-align: center;">5 7</td> </tr> </table> FOR EXISTING FACILITIES, PROVIDE THE DATE (mo., day, & yr.) OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (use the boxes to the left)	MO.	DAY	YR.	0 1		5 7	<table style="width: 100%;"> <tr> <td style="text-align: center;">MO.</td> <td style="text-align: center;">DAY</td> <td style="text-align: center;">YR.</td> </tr> <tr> <td style="text-align: center;"></td> <td style="text-align: center;"></td> <td style="text-align: center;"></td> </tr> </table> FOR NEW FACILITIES, PROVIDE THE DATE (mo., day, & yr.) OPERATION BEGAN OR IS EXPECTED TO BEGIN	MO.	DAY	YR.			
MO.	DAY	YR.											
0 1		5 7											
MO.	DAY	YR.											

B. REVISED APPLICATION (place an "X" below and complete Section I above)	
<input checked="" type="checkbox"/> 1. FACILITY HAS AN INTERIM STATUS PERMIT	<input type="checkbox"/> 2. FACILITY HAS A FINAL PERMIT

III. PROCESSES - CODES AND CAPACITIES

A. PROCESS CODE - Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided for entering codes. If more lines are needed, enter the code(s) in the space provided. If a process will be used that is not included in the list of codes below, then describe the process (including its design capacity) in the space provided on the (Section III-C).

B. PROCESS DESIGN CAPACITY - For each code entered in column A enter the capacity of the process.

1. AMOUNT - Enter the amount.

2. UNIT OF MEASURE - For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.

PROCESS	PRO- CESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY	PROCESS	PRO- CESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage:			Treatment:		
CONTAINER (barrel, drum, etc)	S01	GALLONS OR LITERS	TANK	T01	GALLONS PER DAY OR LITERS PER DAY
TANK	S02	GALLONS OR LITERS	SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS	INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR; GALLONS PER HOUR OR LITERS PER HOUR
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS			
Disposal:			OTHER (Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided; Section III-C.)		
INJECTION WELL	D80	GALLONS OR LITERS		T04	GALLONS PER DAY OR LITERS PER DAY
LANDFILL	D81	ACRE-FEET (the volume that would cover one acre to a depth of one foot) OR HECTARE-METER			
LAND APPLICATION	D82	ACRES OR HECTARES			
OCEAN DISPOSAL	D83	GALLONS PER DAY OR LITERS PER DAY			
SURFACE IMPOUNDMENT	D84	GALLONS OR LITERS			

UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE CODE
GALLONS	G	LITERS PER DAY	V	ACRE-FEET	A
LITERS	L	TONS PER HOUR	D	HECTARE-METER	F
CUBIC YARDS	Y	METRIC TONS PER HOUR	W	ACRES	B
CUBIC METERS	C	GALLONS PER HOUR	E	HECTARES	Q
GALLONS PER DAY	U	LITERS PER HOUR	H		

EXAMPLE FOR COMPLETING SECTION III (shown in line numbers X-1 and X-2 below): A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.

LINE NUMBER	A. PRO- CESS CODE (from list above)	B. PROCESS DESIGN CAPACITY		FOR OFFICIAL USE ONLY	LINE NUMBER	A. PRO- CESS CODE (from list above)	B. PROCESS DESIGN CAPACITY		FOR OFFICIAL USE ONLY
		1. AMOUNT (specify)	2. UNIT OF MEA- SURE (enter code)				1. AMOUNT (specify)	2. UNIT OF MEA- SURE (enter code)	
X-1	S 0 2	600	G		5	T 0 4	1,000	U	
X-2	T 0 3	20	E		6	S 0 5	46,000	Y	
1	S 0 2	77,400	G		7				
2	T 0 1	14,000	U		8				
3	T 0 4	2	D		9				
4	S 0 1	200,000	G		10				

Continued from the front.

III. PROCESSES (continued)

C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESS (code "T04"). FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

REFER TO ATTACHED

IV. DESCRIPTION OF DANGEROUS WASTES

- A. DANGEROUS WASTE NUMBER** - Enter the four digit number from Chapter 173-303 WAC for each listed dangerous waste you will handle. If you handle dangerous wastes which are not listed in Chapter 173-303 WAC, enter the four digit number(s) that describes the characteristics and/or the toxic contaminants of those dangerous wastes.
- B. ESTIMATED ANNUAL QUANTITY** - For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.
- C. UNIT OF MEASURE** - For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:

For listed dangerous waste: For each listed dangerous waste entered in column A select the code(s) from the list of process codes contained in Section III to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed dangerous wastes: For each characteristic or toxic contaminant entered in Column A, select the code(s) from the list of process codes contained in Section III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed dangerous wastes that possess that characteristic or toxic contaminant.

Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: DANGEROUS WASTES DESCRIBED BY MORE THAN ONE DANGEROUS WASTE NUMBER - Dangerous wastes that can be described by more than one Waste Number shall be described on the form as follows:

- Select one of the Dangerous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
- In column A of the next line enter the other Dangerous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.
- Repeat step 2 for each other Dangerous Waste Number that can be used to describe the dangerous waste.

EXAMPLE FOR COMPLETING SECTION IV (shown in line numbers X-1, X-2, X-3, and X-4 below) - A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

LINE	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEA- SURE (enter code)	D. PROCESSES	
				1. PROCESS CODES (enter)	2. PROCESS DESCRIPTION (if a code is not entered in D(1))
X-1	K 0 5 4	900	P	T 0 3 D 8 0	
X-2	D 0 0 2	400	P	T 0 3 D 8 0	
X-3	D 0 0 1	100	P	T 0 3 D 8 0	
X-4	D 0 0 2			T 0 3 D 8 0	included with above

III. C., PROCESSES

The T Plant Complex (T Plant) is located in the 200 West Area of the Hanford Facility and consists of two structures, the 221-T Building (221-T) and the 2706-T Building (2706-T), and various support structures and/or storage pads within T Plant. The 221-T and 2706-T buildings are used for the storage (tank, container, and miscellaneous equipment) and treatment (tank, container, and decontamination activities) of mixed waste before transfer to the Double-Shell Tank (DST) System and/or the Central Waste Complex (CWC). The various support structures and/or storage pads are used for storage and treatment of mixed and/or dangerous waste until processed and transferred to the CWC and/or the 616 Nonradioactive Dangerous Waste Storage Facility (616 NRDWSF). The storage buildings located outside the 2706-T Building also are used to store containerized mixed and/or dangerous waste until transferred to the CWC and/or 616 NRDWSF. The following are the storage and treatment processes for T Plant.

S02

Liquid mixed waste from decontamination activities within the 221-T is transferred to a tank system consisting of five stainless steel storage tanks: tank 5-6 [4,600 gallons (17,400 liters) design capacity], tank 5-7 [10,000 gallons (38,000 liters) design capacity], tank 5-9 [4,800 gallons (18,200 liters) design capacity], tank 11-R [14,000 gallons (53,000 liters) design capacity], and tank 15-1 [14,000 gallons (53,000 liters) design capacity] located in reinforced concrete cells within 221-T. Tanks 5-6, 5-7, 5-9, and 11-R are used for secondary storage of liquid mixed waste and tank 15-1 is used for primary storage of liquid mixed waste. The maximum storage process design capacity of the five storage tanks is 47,400 gallons (179,600 liters).

Liquid mixed waste from decontamination activities at the 2706-T currently is transferred by underground pipeline to the 221-T tank system for storage until transferred to the DST System. In a future process, the liquid mixed waste from the decontamination activities at 2706-T will be stored in two proposed double-walled stainless steel tanks that will be located on the northside of 2706-T. The underground pipeline to the 221-T tank system will be used as a backup for these proposed storage tanks. Each 2706-T tank will have a process design capacity of 15,000 gallons (57,000 liters) for a maximum storage process design capacity of 30,000 gallons (114,000 liters).

The maximum storage process design capacity for the liquid mixed waste storage tanks at the 221-T and 2706-T is 77,400 gallons (293,600 liters).

T01

The liquid mixed waste stored in the 221-T (tank 15-1) normally is transferred by railroad car to the DST System. If the liquid mixed waste is transferred by underground pipelines, tank 15-1 is used to treat the liquid mixed waste to a pH greater than 12.0 before transfer to the DST System. This treatment process makes the liquid mixed waste more amenable for storage in the DST System. The maximum treatment process design capacity for tank 15-1 is 14,000 gallons (53,000 liters) per day.

III. C., PROCESSES (Continued)

T04

The decontamination activities (treatment) are performed within the following structures within T Plant.

The decontamination activities occur in 221-T in equipment referred to as thimbles and troughs, which are located in the canyon on the cell blocks over cells 11-R and 15-R. There are three stainless steel thimbles: thimble 1 is a 2,000 gallon (7,600 liter) open top tank with a tube section recessed through the cover block over cell 11-R; thimble 2 is a 300 gallon (1,200 liter) square open top tank with a tube section recessed in the cover block over cell 15-R; and thimble 3 is a 332 gallon (1,300 liter) open top tank with a tube section recessed in the cover block over cell 15-R. There are three stainless steel rectangular troughs: trough 1 is 18 feet (5.5 meters) long by 2 feet (0.6 meter) wide by 3 feet (0.9 meter) high; trough 2 is 8 feet (2.4 meters) long by 4 feet (1.2 meters) wide by 4 feet (1.2 meters) high; and trough 3 is 12 feet (3.7 meters) long by 8 feet (2.4 meters) wide by 4 feet (1.2 meters) high. The decontamination activities consist of decontaminating process equipment (i.e., pipelines, jumpers), various pieces of equipment (i.e., pumps, motors, damaged tools, etc.), and other discarded materials for recycle or disposal on the Hanford Facility. The decontamination process consists of placing equipment in the thimbles, troughs, or designated areas on the canyon deck and using air, steam, water, chemicals, and/or other methods to remove the contamination. The liquid mixed waste generated by this process is transferred to the 221-T tank system and then to the DST System. Solid mixed waste generated by this decontamination process (i.e., air blasting) is placed in U.S. Department of Transportation-approved containers for storage until transferred to the CWC.

The decontamination activities in the 2706-T occur over railroad and automotive pits located within the building. The railroad pit is 55 feet (16.9 meters) long by 17 feet (5.2 meters) wide by 6 feet (1.8 meters) deep. The automotive pit is 30 feet (9.1 meters) long by 4 feet (1.2 meters) wide by 6 feet (1.8 meters) deep. The 2706-T is used to decontaminate railroad equipment, buses, trucks, automobiles, cranes, earth moving equipment, and large pieces of plant process equipment by using air, steam, water, chemicals, and/or other methods to remove the contamination. The liquid mixed waste generated by this process is collected in the railroad pit, transferred to the 221-T tank system, and then to the DST System. Solid mixed waste generated by this decontamination process (i.e., air blasting) is placed in U.S. Department of Transportation-approved containers for storage until transfer to the CWC.

The maximum treatment process design capacity for 221-T and 2706-T is 2 tons (1.8 metric tons) per hour.

III. C., PROCESSES (Continued)

S01, T04

The storage and treatment of the dry and liquid mixed and/or dangerous waste in various sized containers will occur in the railroad tunnel, on the canyon deck and in various cells within the 221-T, and in support structures and/or storage pads located within the boundaries of T Plant. Container storage capability at T Plant is required because of the need to complete laboratory analysis and characterization of mixed and/or dangerous waste samples before transferring the waste containers to the CWC and/or 616 NRDWSF. The treatment capability is needed in the event that it is necessary to add adsorbent or neutralize the contents of a container before transfer.

The maximum storage process design capacity is 200,000 gallons (758,000 liters) and the maximum treatment process design capacity is 1,000 gallons (3,800 liters) per day.

S05

The designation S05 (storage miscellaneous) is used to indicate that solid mixed waste stored on the canyon deck and in various cells is considered to be stored in a containment building subject to the requirements of 40 CFR 265, Subpart DD, rather than a waste pile subject to the requirements of 40 CFR 265, Subpart L. The solid mixed waste consists of low-level process equipment, jumpers, and various other materials that has the potential to go through the decontamination process.

The maximum storage process design capacity on the canyon deck and in the cells is 46,000 cubic yards (35,200 cubic meters).

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 8 9 6 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES							
				1. PROCESS CODES (enter)				2. PROCESS DESCRIPTION (if a code is not entered in D(1))			
1	D 0 0 1	279,000,000	P	S02	T01	T04					Storage-Tank/Treatment-Tank-Other
2	D 0 0 2										(Decontamination Activities)
3	D 0 0 3										
4	D 0 0 4										
5	D 0 0 5										
6	D 0 0 6										
7	D 0 0 7										
8	D 0 0 8										
9	D 0 0 9										
10	D 0 1 0										
11	D 0 1 1										
12	D 0 1 8										
13	D 0 1 9										
14	D 0 2 2										
15	D 0 2 8										
16	D 0 2 9										
17	D 0 3 0										
18	D 0 3 3										
19	D 0 3 4										
20	D 0 3 5										
21	D 0 3 6										
22	D 0 3 8										
23	D 0 3 9										
24	D 0 4 0										
25	D 0 4 1										
26	D 0 4 3										

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 8 9 6 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)				B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES							
	1	2	3	4			1. PROCESS CODES (enter)				2. PROCESS DESCRIPTION (if a code is not entered in D(1))			
1	W	T	0	1		P		S02	T01	T04				Storage-Tank/Treatment-Tank-Other
2	W	T	0	2										(Decontamination Activities)(Cont.)
3	W	C	0	2										
4	W	P	0	1										
5	W	P	0	2										
6	F	0	0	1										
7	F	0	0	2										
8	F	0	0	3										
9	F	0	0	4										
10	F	0	0	5										
11	F	0	3	9										Included With Above
12	D	0	0	1	2,000,000	P		S01	T04					Storage-Container/Treatment-Other
13	D	0	0	2										
14	D	0	0	3										
15	D	0	0	4										
16	D	0	0	5										
17	D	0	0	6										
18	D	0	0	7										
19	D	0	0	8										
20	D	0	0	9										
21	D	0	1	0										
22	D	0	1	1										
23	D	0	1	2										
24	D	0	1	6										
25	D	0	1	8										
26	D	0	1	9										

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 8 9 6 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)				B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES								
							1. PROCESS CODES (enter)				2. PROCESS DESCRIPTION (if a code is not entered in D(1))				
1	D	0	2	0		P		S	0	1	T	0	4		Storage-Container/Treatment-Other
2	D	0	2	1											(Continued)
3	D	0	2	2											
4	D	0	2	3											
5	D	0	2	4											
6	D	0	2	5											
7	D	0	2	6											
8	D	0	2	7											
9	D	0	2	8											
10	D	0	2	9											
11	D	0	3	0											
12	D	0	3	1											
13	D	0	3	2											
14	D	0	3	3											
15	D	0	3	4											
16	D	0	3	5											
17	D	0	3	6											
18	D	0	3	7											
19	D	0	3	8											
20	D	0	3	9											
21	D	0	4	0											
22	D	0	4	1											
23	D	0	4	2											
24	D	0	4	3											
25	W	T	0	1											
26	W	T	0	2											

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 8 9 6 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)				B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES							
							1. PROCESS CODES (enter)				2. PROCESS DESCRIPTION (if a code is not entered in D(1))			
1	W	C	0	2		P	S01	T04						Storage-Container/Treatment-Other
2	W	P	0	1										(Continued)
3	W	P	0	2										
4	W	P	0	3										
5	W	0	0	1										
6	F	0	0	1										
7	F	0	0	2										
8	F	0	0	3										
9	F	0	0	4										
10	F	0	0	5										
11	F	0	2	0										
12	F	0	2	1										
13	F	0	2	2										
14	F	0	2	3										
15	F	0	2	6										
16	F	0	2	7										
17	F	0	2	8										
18	F	0	3	9										
19	U	0	0	1										
20	U	0	0	2										
21	U	0	0	3										
22	U	0	0	4										
23	U	0	0	5										
24	U	0	0	6										
25	U	0	0	7										
26	U	0	0	8										

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W	A	7	8	9	0	0	0	8	9	6	7
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IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES							
				1. PROCESS CODES (enter)				2. PROCESS DESCRIPTION (if a code is not entered in D(1))			
1	U 0 0 9		P	S01	T04					Storage-Container/Treatment-Other	
2	U 0 1 0									(Continued)	
3	U 0 1 1										
4	U 0 1 2										
5	U 0 1 4										
6	U 0 1 5										
7	U 0 1 6										
8	U 0 1 7										
9	U 0 1 8										
10	U 0 1 9										
11	U 0 2 0										
12	U 0 2 1										
13	U 0 2 2										
14	U 0 2 3										
15	U 0 2 4										
16	U 0 2 5										
17	U 0 2 6										
18	U 0 2 7										
19	U 0 2 8										
20	U 0 2 9										
21	U 0 3 0										
22	U 0 3 1										
23	U 0 3 2										
24	U 0 3 3										
25	U 0 3 4										
26	U 0 3 5										

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 8 9 6 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES							
				1. PROCESS CODES (enter)				2. PROCESS DESCRIPTION (if a code is not entered in D(1))			
1	U 0 3 6		P	S01	T04					Storage-Container/Treatment-Other	
2	U 0 3 7									(Continued)	
3	U 0 3 8										
4	U 0 3 9										
5	U 0 4 1										
6	U 0 4 2										
7	U 0 4 3										
8	U 0 4 4										
9	U 0 4 5										
10	U 0 4 6										
11	U 0 4 7										
12	U 0 4 8										
13	U 0 4 9										
14	U 0 5 0										
15	U 0 5 1										
16	U 0 5 2										
17	U 0 5 3										
18	U 0 5 5										
19	U 0 5 6										
20	U 0 5 7										
21	U 0 5 8										
22	U 0 5 9										
23	U 0 6 0										
24	U 0 6 1										
25	U 0 6 2										
26	U 0 6 3										

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NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W A 7 B 9 0 0 0 8 9 6 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES	
				1. PROCESS CODES (enter)	2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	U 0 6 4		P	S01 T04	Storage-Container/Treatment-Other
2	U 0 6 6				(Continued)
3	U 0 6 7				
4	U 0 6 8				
5	U 0 6 9				
6	U 0 7 0				
7	U 0 7 1				
8	U 0 7 2				
9	U 0 7 3				
10	U 0 7 4				
11	U 0 7 5				
12	U 0 7 6				
13	U 0 7 7				
14	U 0 7 8				
15	U 0 7 9				
16	U 0 8 0				
17	U 0 8 1				
18	U 0 8 2				
19	U 0 8 3				
20	U 0 8 4				
21	U 0 8 5				
22	U 0 8 6				
23	U 0 8 7				
24	U 0 8 8				
25	U 0 8 9				
26	U 0 9 0				

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NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)									
W	A	7	B	9	0	0	0	8	9
IV. DESCRIPTION OF DANGEROUS WASTES (continued)									
LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES					
				1. PROCESS CODES (enter)					
2. PROCESS DESCRIPTION (if a code is not entered in D(1))									
1	U 0 9 1		P	S01	T04			Storage-Container/Treatment-Other	
2	U 0 9 2							(Continued)	
3	U 0 9 3								
4	U 0 9 4								
5	U 0 9 5								
6	U 0 9 6								
7	U 0 9 7								
8	U 0 9 8								
9	U 1 0 1								
10	U 1 0 2								
11	U 1 0 7								
12	U 1 0 8								
13	U 1 1 2								
14	U 1 1 3								
15	U 1 1 6								
16	U 1 1 7								
17	U 1 1 8								
18	U 1 1 9								
19	U 1 2 0								
20	U 1 2 3								
21	U 1 2 4								
22	U 1 3 4								
23	U 1 3 6								
24	U 1 3 7								
25	U 1 4 0								
26	U 1 4 5								

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NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 8 9 6 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES							
				1. PROCESS CODES (enter)				2. PROCESS DESCRIPTION (if a code is not entered in D(1))			
1	U 1 4 6		P	S01	T04					Storage-Container/Treatment-Other	
2	U 1 4 8									(Continued)	
3	U 1 4 9										
4	U 1 5 0										
5	U 1 5 1										
6	U 1 5 2										
7	U 1 5 3										
8	U 1 5 4										
9	U 1 5 5										
10	U 1 5 6										
11	U 1 5 7										
12	U 1 5 8										
13	U 1 5 9										
14	U 1 6 0										
15	U 1 6 1										
16	U 1 6 2										
17	U 1 6 3										
18	U 1 6 4										
19	U 1 6 5										
20	U 1 6 6										
21	U 1 6 7										
22	U 1 6 8										
23	U 1 6 9										
24	U 1 7 0										
25	U 1 7 1										
26	U 1 7 2										

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NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)														
W A 7 8 9 0 0 0 8 9 6 7														
IV. DESCRIPTION OF DANGEROUS WASTES (continued)														
LINE NO.	A. DANGEROUS WASTE NO. (enter code)				B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES							
							1. PROCESS CODES (enter)				2. PROCESS DESCRIPTION (if a code is not entered in D(1))			
1	U	1	7	3		P	S01	T04					Storage-Container/Treatment-Other	
2	U	1	7	4									(Continued)	
3	U	1	7	6										
4	U	1	7	7										
5	U	1	7	8										
6	U	1	7	9										
7	U	1	8	0										
8	U	1	8	1										
9	U	1	8	2										
10	U	1	8	3										
11	U	1	8	4										
12	U	1	8	5										
13	U	1	8	6										
14	U	1	8	7										
15	U	1	8	8										
16	U	1	8	9										
17	U	1	9	0										
18	U	1	9	1										
19	U	1	9	2										
20	U	1	9	3										
21	U	1	9	4										
22	U	1	9	6										
23	U	1	9	7										
24	U	2	0	0										
25	U	2	0	1										
26	U	2	0	2										

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NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)									
W A 7 8 9 0 0 0 8 9 6 7									
IV. DESCRIPTION OF DANGEROUS WASTES (continued)									
LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES					
				1. PROCESS CODES (enter)				2. PROCESS DESCRIPTION (if a code is not entered in D(1))	
1	U 2 0 3		P	S01	T04				Storage-Container/Treatment-Other
2	U 2 0 4								(Continued)
3	U 2 0 5								
4	U 2 0 6								
5	U 2 0 7								
6	U 2 0 8								
7	U 2 0 9								
8	U 2 1 0								
9	U 2 1 1								
10	U 2 1 2								
11	U 2 1 3								
12	U 2 1 4								
13	U 2 1 5								
14	U 2 1 6								
15	U 2 1 7								
16	U 2 1 8								
17	U 2 1 9								
18	U 2 2 0								
19	U 2 2 1								
20	U 2 2 2								
21	U 2 2 3								
22	U 2 2 5								
23	U 2 2 6								
24	U 2 2 7								
25	U 2 2 8		↓	↓	↓				↓
26									

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)														
W A 7 8 9 0 0 0 8 9 6 7														
IV. DESCRIPTION OF DANGEROUS WASTES (continued)														
LINE NO.	A. DANGEROUS WASTE NO. (enter code)				B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES							
							1. PROCESS CODES (enter)				2. PROCESS DESCRIPTION (if a code is not entered in D(1))			
1	U	2	3	2		P	S01	T04					Storage-Container/Treatment-Other	
2	U	2	3	3									(Continued)	
3	U	2	3	4										
4	U	2	3	5										
5	U	2	3	6										
6	U	2	3	7										
7	U	2	3	8										
8	U	2	3	9										
9	U	2	4	0										
10	U	2	4	3										
11	U	2	4	4										
12	U	2	4	5										
13	U	2	4	6										
14	U	2	4	7										
15	U	2	4	8										
16	U	2	4	9										
17	U	3	2	8										
18	U	3	5	3										
19	U	3	5	9										
20	P	0	0	1										
21	P	0	0	2										
22	P	0	0	3										
23	P	0	0	4										
24	P	0	0	5										
25	P	0	0	6										
26	P	0	0	7										

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W	A	7	8	9	0	0	0	8	9	6	7
---	---	---	---	---	---	---	---	---	---	---	---

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES							
				1. PROCESS CODES (enter)				2. PROCESS DESCRIPTION (if a code is not entered in D(1))			
1	P 0 0 8		P	S01	T04					Storage-Container/Treatment-Other	
2	P 0 0 9									(Continued)	
3	P 0 1 0										
4	P 0 1 1										
5	P 0 1 2										
6	P 0 1 3										
7	P 0 1 4										
8	P 0 1 5										
9	P 0 1 6										
10	P 0 1 7										
11	P 0 1 8										
12	P 0 2 0										
13	P 0 2 1										
14	P 0 2 2										
15	P 0 2 3										
16	P 0 2 4										
17	P 0 2 6										
18	P 0 2 7										
19	P 0 2 8										
20	P 0 2 9										
21	P 0 3 0										
22	P 0 3 1										
23	P 0 3 3										
24	P 0 3 4										
25	P 0 3 6										
26	P 0 3 7										

Continued from page 2.

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 8 9 6 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES	
				1. PROCESS CODES (enter)	2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	P 0 3 8		P	S01 T04	Storage-Container/Treatment-Other
2	P 0 3 9				(Continued)
3	P 0 4 0				
4	P 0 4 1				
5	P 0 4 2				
6	P 0 4 3				
7	P 0 4 4				
8	P 0 4 5				
9	P 0 4 6				
10	P 0 4 7				
11	P 0 4 8				
12	P 0 4 9				
13	P 0 5 0				
14	P 0 5 1				
15	P 0 5 4				
16	P 0 5 6				
17	P 0 5 7				
18	P 0 5 8				
19	P 0 5 9				
20	P 0 6 0				
21	P 0 6 2				
22	P 0 6 3				
23	P 0 6 4				
24	P 0 6 5				
25	P 0 6 6				
26	P 0 6 7				

Continued from page 2.

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 8 9 8 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES			
				1. PROCESS CODES (enter)			
1	P 0 6 8		P	S01	T04		Storage-Container/Treatment-Other
2	P 0 6 9						(Continued)
3	P 0 7 0						
4	P 0 7 1						
5	P 0 7 2						
6	P 0 7 3						
7	P 0 7 4						
8	P 0 7 5						
9	P 0 7 6						
10	P 0 7 7						
11	P 0 7 8						
12	P 0 8 1						
13	P 0 8 2						
14	P 0 8 4						
15	P 0 8 5						
16	P 0 8 7						
17	P 0 8 8						
18	P 0 8 9						
19	P 0 9 2						
20	P 0 9 3						
21	P 0 9 4						
22	P 0 9 5						
23	P 0 9 6						
24	P 0 9 7						
25	P 0 9 8						
26	P 0 9 9						

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 8 9 6 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES				
				1. PROCESS CODES (enter)				2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	P 1 0 1		P	S01	T04			Storage-Container/Treatment-Other
2	P 1 0 2							(Continued)
3	P 1 0 3							
4	P 1 0 4							
5	P 1 0 5							
6	P 1 0 6							
7	P 1 0 7							
8	P 1 0 8							
9	P 1 0 9							
10	P 1 1 0							
11	P 1 1 1							
12	P 1 1 2							
13	P 1 1 3							
14	P 1 1 4							
15	P 1 1 5							
16	P 1 1 6							
17	P 1 1 8							
18	P 1 1 9							
19	P 1 2 0							
20	P 1 2 1							
21	P 1 2 2							
22	P 1 2 3		↓	↓	↓			Included With Above
23	D 0 0 1	10,000	P	S05				Storage-Miscellaneous
24	D 0 0 2							(Containment Building)
25	D 0 0 3							
26	D 0 0 4		↓	↓				

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)																	
W A 7 8 9 0 0 0 8 9 6 7																	
IV. DESCRIPTION OF DANGEROUS WASTES (continued)																	
LINE NO.	A. DANGEROUS WASTE NO. (enter code)				B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES										
							1. PROCESS CODES (enter)				2. PROCESS DESCRIPTION (if a code is not entered in D(1))						
1	D	0	0	5		P	S05							Storage-Miscellaneous			
2	D	0	0	6										(Containment Building)(Continued)			
3	D	0	0	7													
4	D	0	0	8													
5	D	0	0	9													
6	D	0	1	0													
7	D	0	1	1													
8	D	0	1	8													
9	D	0	1	9													
10	D	0	2	2													
11	D	0	2	8													
12	D	0	2	9													
13	D	0	3	0													
14	D	0	3	3													
15	D	0	3	4													
16	D	0	3	5													
17	D	0	3	6													
18	D	0	3	8													
19	D	0	3	9													
20	D	0	4	0													
21	D	0	4	1													
22	D	0	4	3													
23	W	T	0	1													
24	W	T	0	2													
25	W	C	0	2													
26	W	P	0	1													

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W A 7 8 9 0 0 0 8 9 6 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES	
				1. PROCESS CODES (enter)	2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	W P 0 2		P	S05	Storage-Miscellaneous
2	F 0 0 1				(Containment Building)(Continued)
3	F 0 0 2				
4	F 0 0 3				
5	F 0 0 4				
6	F 0 0 5				
7	F 0 3 9				Included With Above
8					
9					
10					
11					
12					
13					
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19					
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21					
22					
23					
24					
25					
26					

Continued from the front.

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM SECTION D(1) ON PAGE 3.

The T Plant Complex is used for the storage and treatment of mixed waste and/or dangerous waste. The mixed waste is transferred to the Double-Shell Tank System and/or Central Waste Complex. The dangerous waste is transferred to the 616 Nonradioactive Dangerous Waste Storage Facility.

The dangerous waste numbers identified in Section IV.A. are associated with mixed and/or dangerous waste that could be stored and/or treated at T Plant. The mixed and/or dangerous waste consists of listed waste, characteristic waste, waste from nonspecific sources, toxicity characteristic waste, and state-only waste (extremely hazardous and dangerous waste). Multi-source leachate (F039) is included as a waste derived from nonspecific source wastes F001 through F005.

The estimated annual quantities of mixed waste listed for S01, S02, S05, T01, and T04 and dangerous waste for S01 and T04 represent the maximum quantities of dry and liquid waste that could be stored and treated at T Plant. Future operations might necessitate an increase in excess of these estimates and a revision could be pursued as required by the dangerous waste regulations.

V. FACILITY DRAWING

All existing facilities must include in the space provided on page 5 a scale drawing of the facility (see instructions for more detail).

VI. PHOTOGRAPHS

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas (see instructions for more detail).

VII. FACILITY GEOGRAPHIC LOCATION

This information is provided on the attached drawings and photos.

LATITUDE (degrees, minutes, & seconds)

LONGITUDE (degrees, minutes, & seconds)

VIII. FACILITY OWNER

☒ A. If the facility owner is also the facility operator as listed in Section VII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.

B. If the facility owner is not the facility operator as listed in Section VII on Form 1, complete the following items:

1. NAME OF FACILITY'S LEGAL OWNER

2. PHONE NO. (area code & no.)

3. STREET OR P.O. BOX

4. CITY OR TOWN

5. ST.

6. ZIP CODE

IX. OWNER CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

NAME (print or type)

John D. Wagoner, Manager
U.S. Department of Energy
Richland Operations Office

SIGNATURE

John D. Wagoner

DATE SIGNED

11/4/94

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

NAME (print or type)

SEE ATTACHMENT

SIGNATURE

DATE SIGNED

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

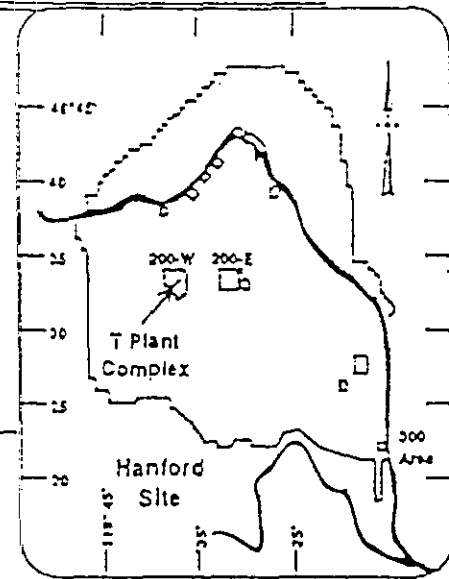
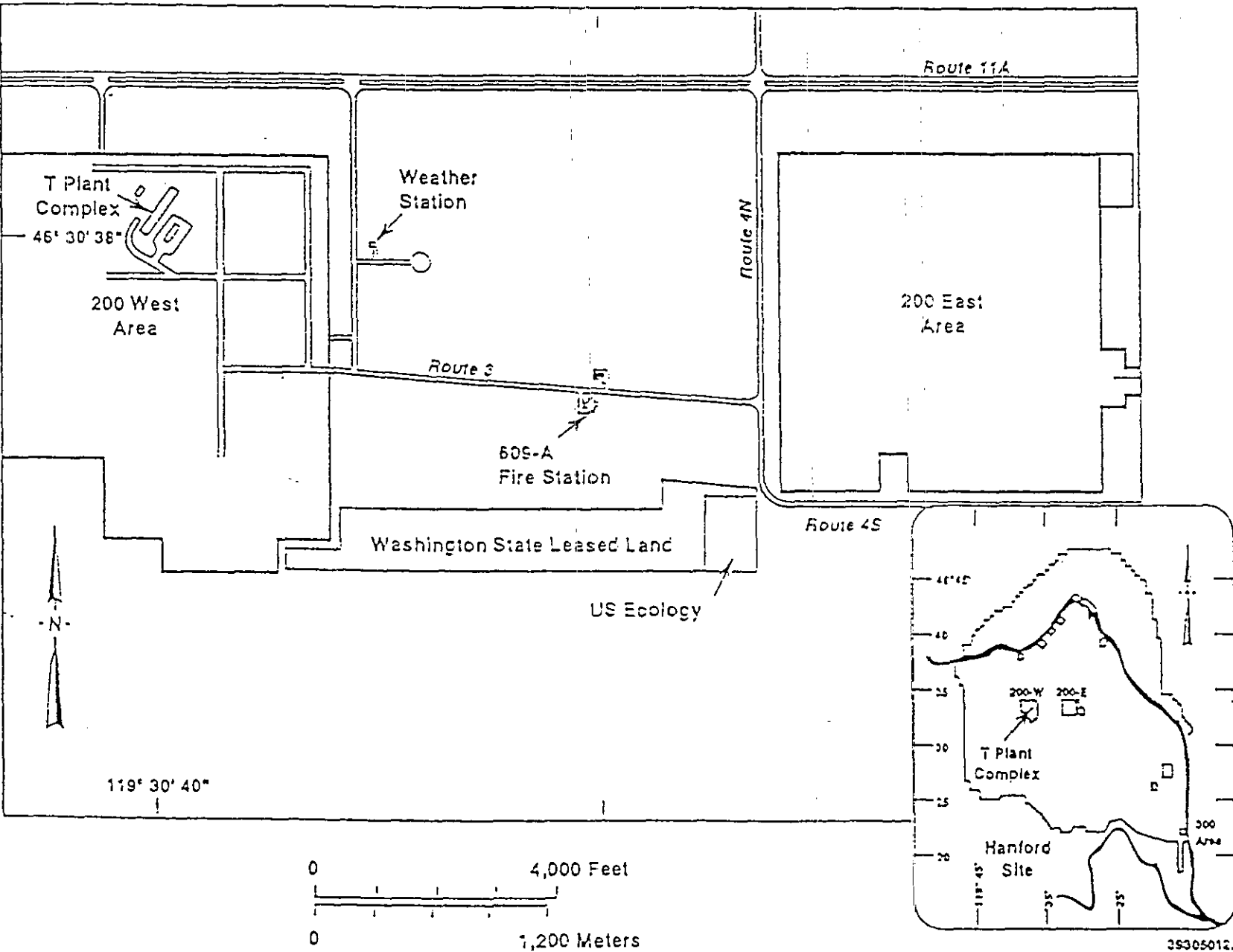
John D. Wagoner
Owner/Operator
John D. Wagoner, Manager
U.S. Department of Energy
Richland Operations Office

11/4/94
Date

A. LaMar Trego
Co-operator
A. LaMar Trego, President
Westinghouse Hanford Company

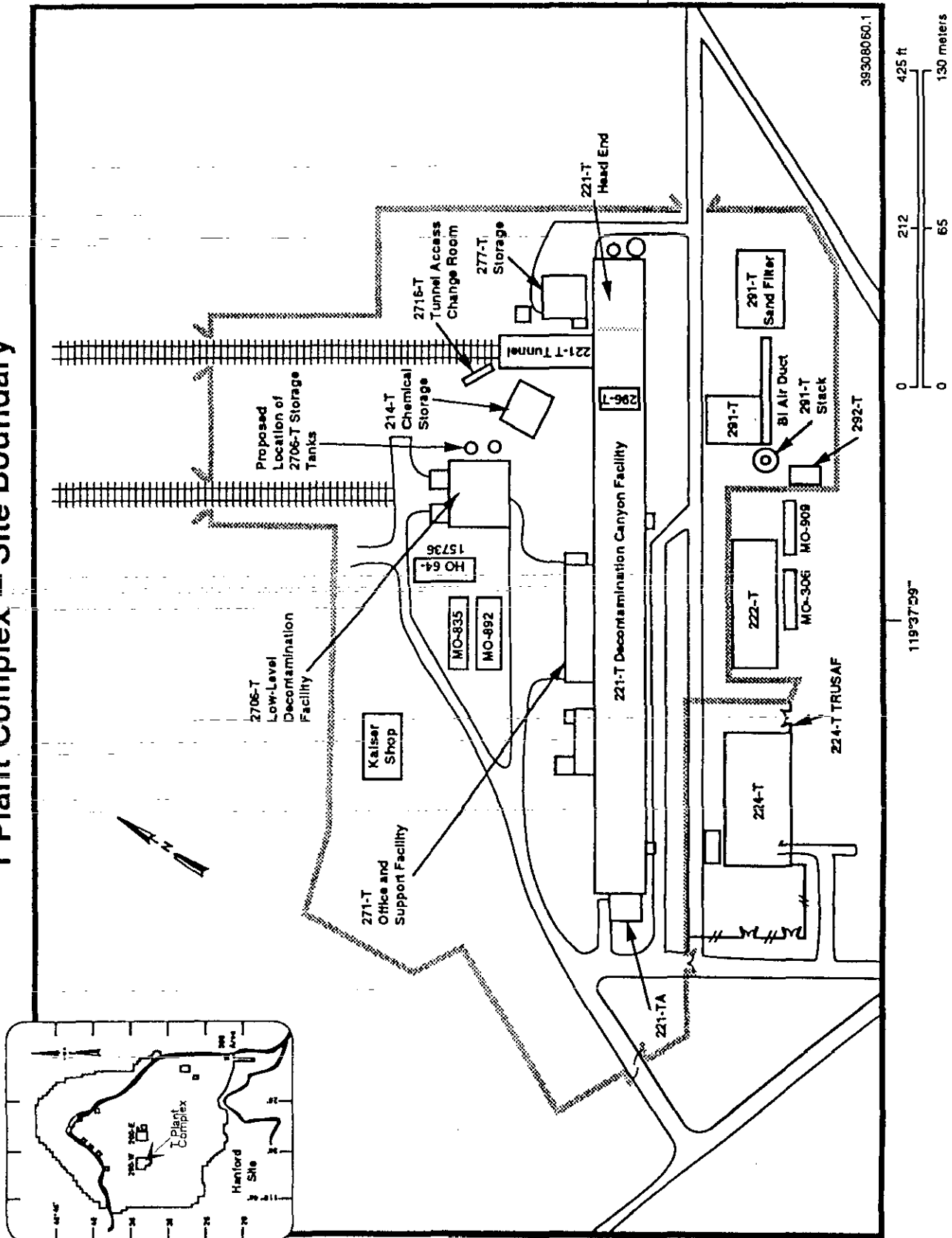
9/20/94
Date

T PLANT COMPLEX SITE PLAN

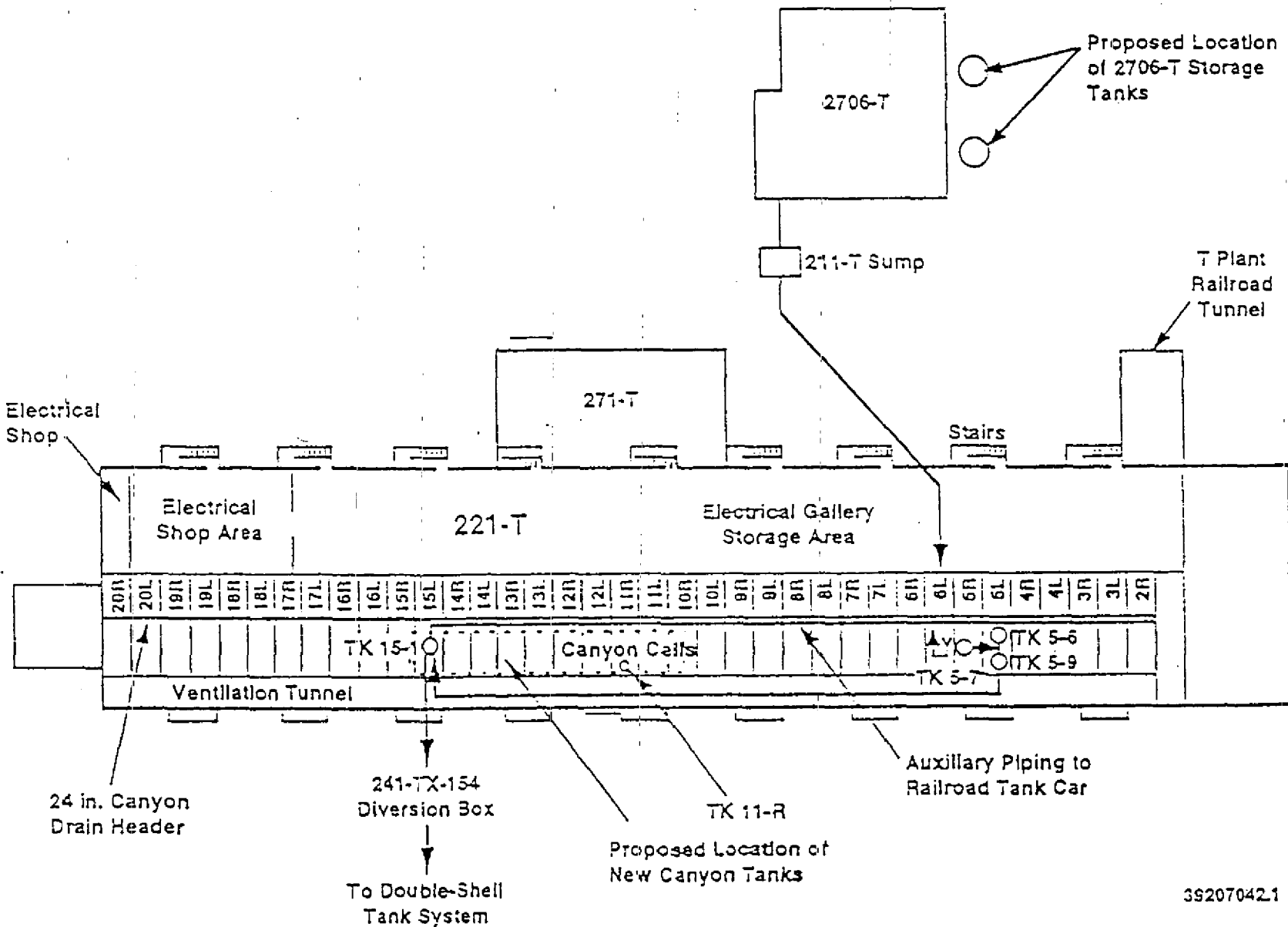


29305012.1

T Plant Complex -- Site Boundary



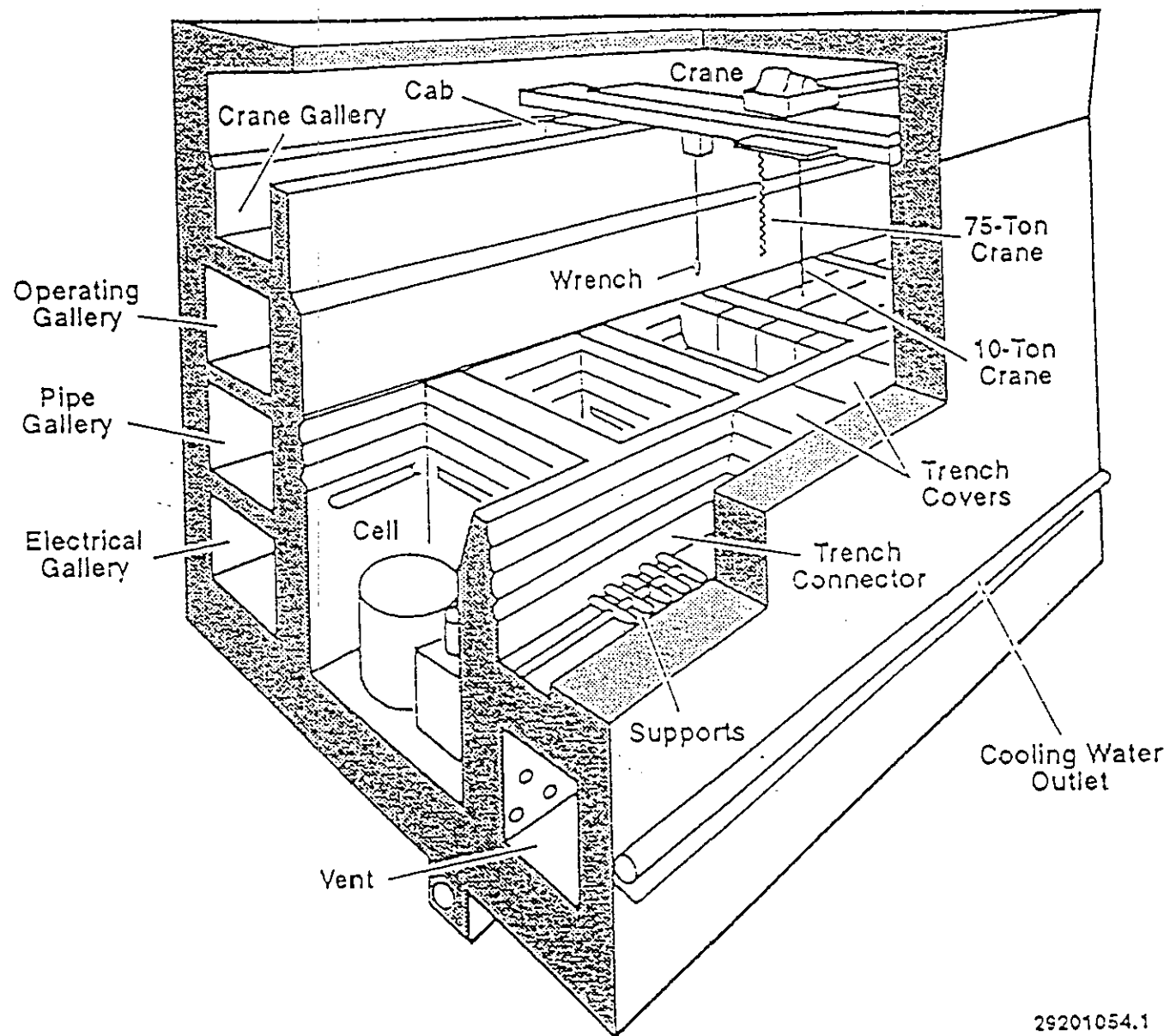
T PLANT COMPLEX - 221-T SITE PLAN



39207042.1

WA7890008967

T PLANT COMPLEX - 221-T CUTAWAY

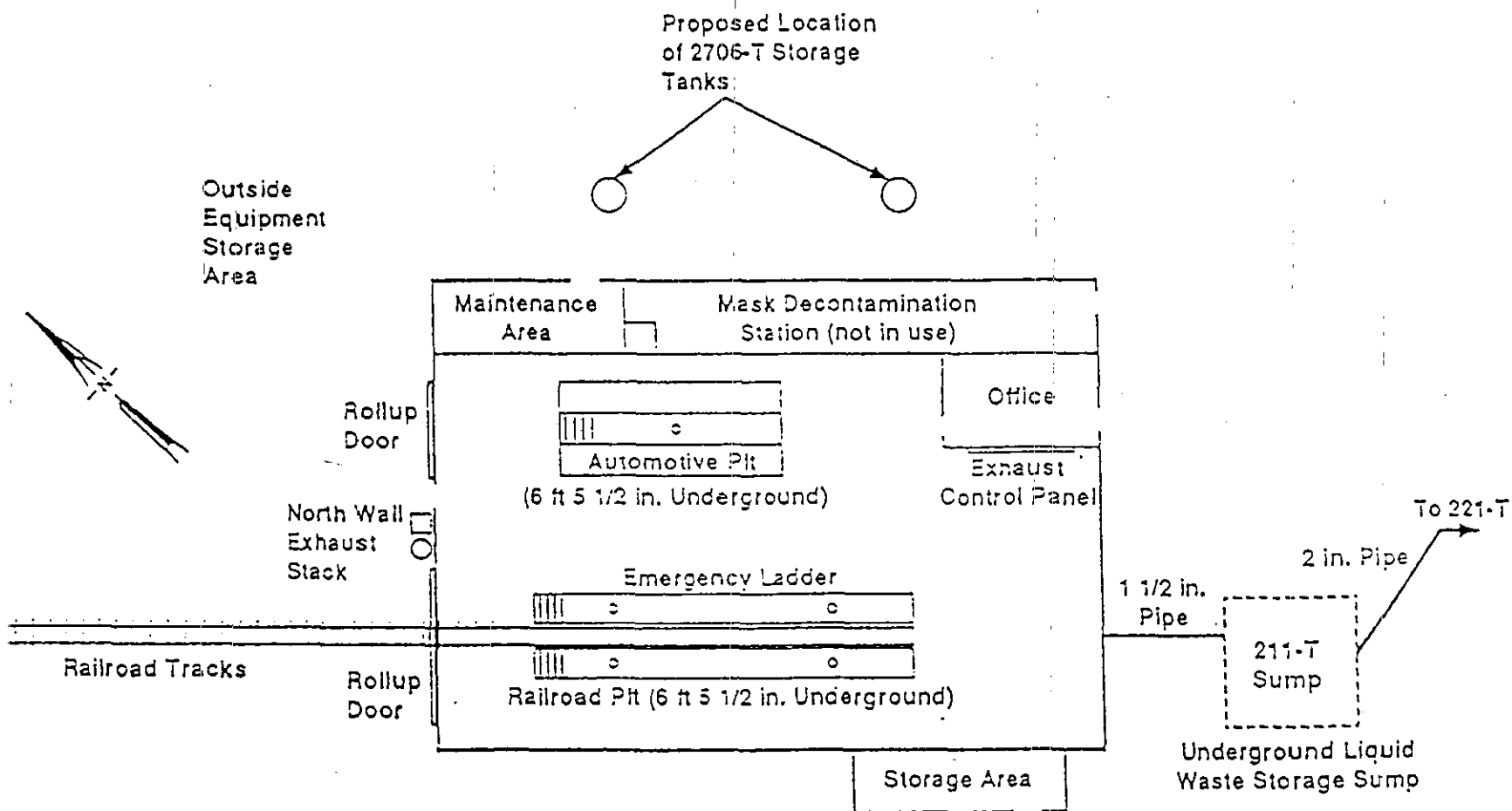


29201054.1

T PLANT COMPLEX - 2706-T SITE PLAN

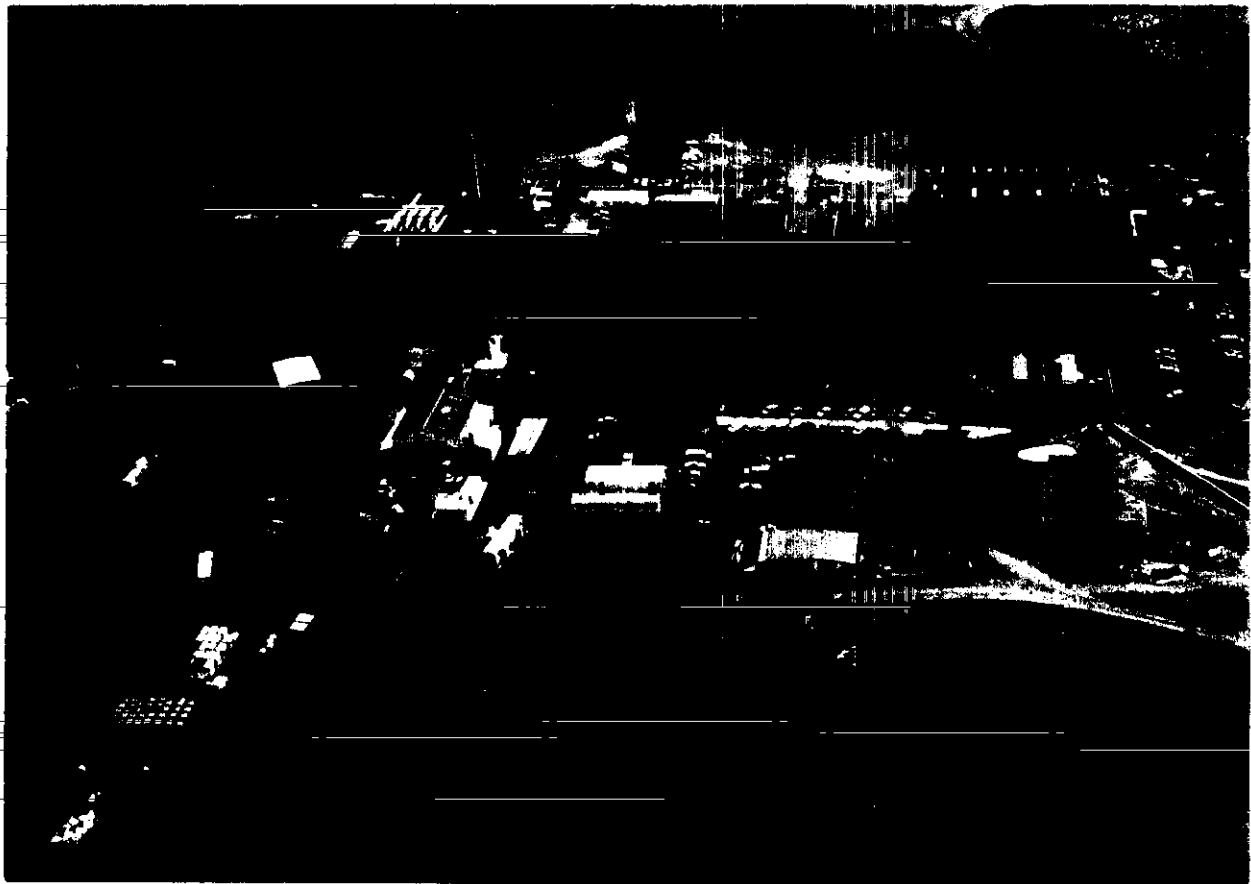
WA7890008967

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T Plant Complex



39207042.2

T PLANT COMPLEX AERIAL VIEW

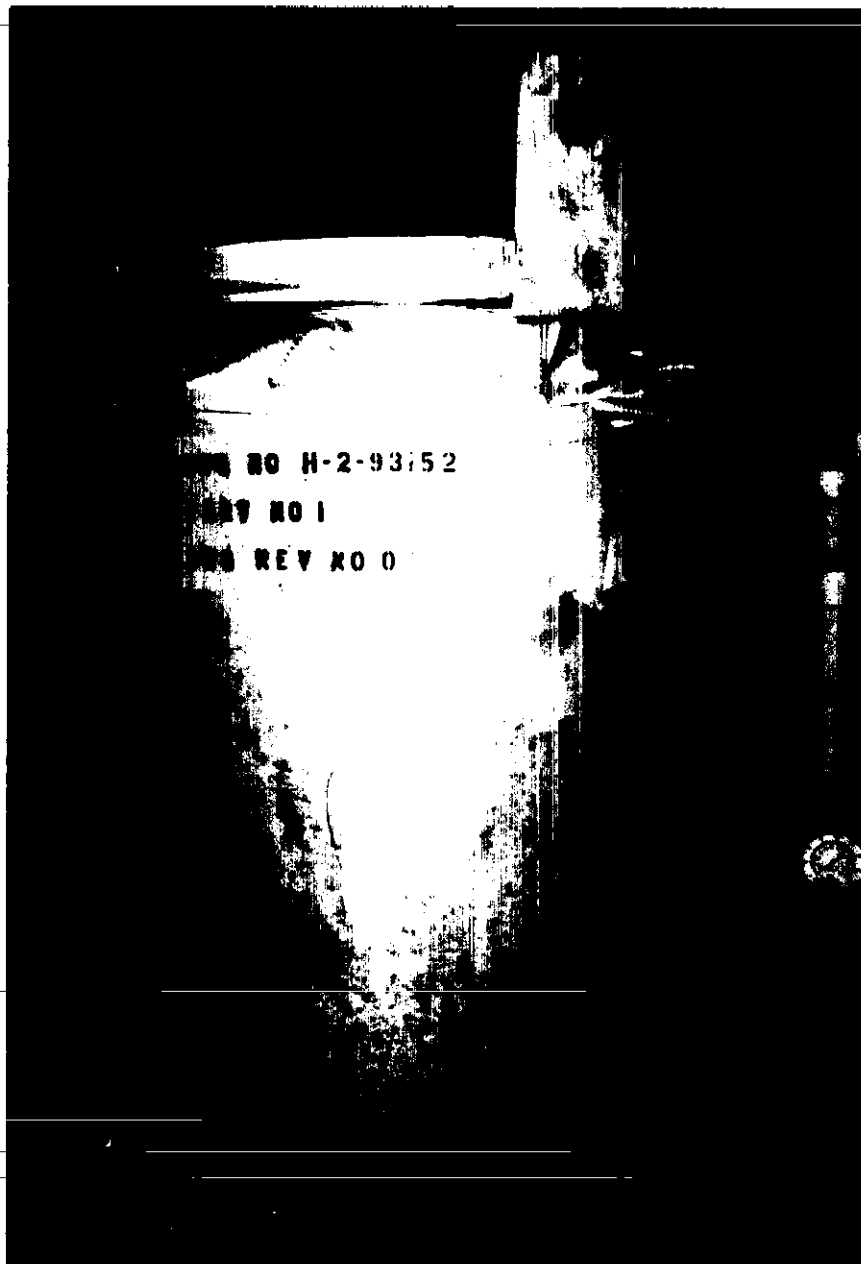


221-T BUILDING

46°30'38"
119°30'40"

93030994-122CN
(PHOTO TAKEN 1993)

T PLANT COMPLEX 221-T BUILDING



TYPICAL THIMBLE

46°30'38"
110°30'40"

93051132-3CN

461670 74224 100%

T PLANT COMPLEX 221-T BUILDING



TYPICAL THIMBLE INTERNAL VIEW

46°30'38"
119°30'40"

93051473-9CN
(PHOTO TAKEN 1993)

T PLANT COMPLEX 221-T BUILDING



TYPICAL TROUGH

46°30'38"
119°30'40"

93060740-10CN
(PHOTO TAKEN 1993)

T PLANT COMPLEX 221-T BUILDING

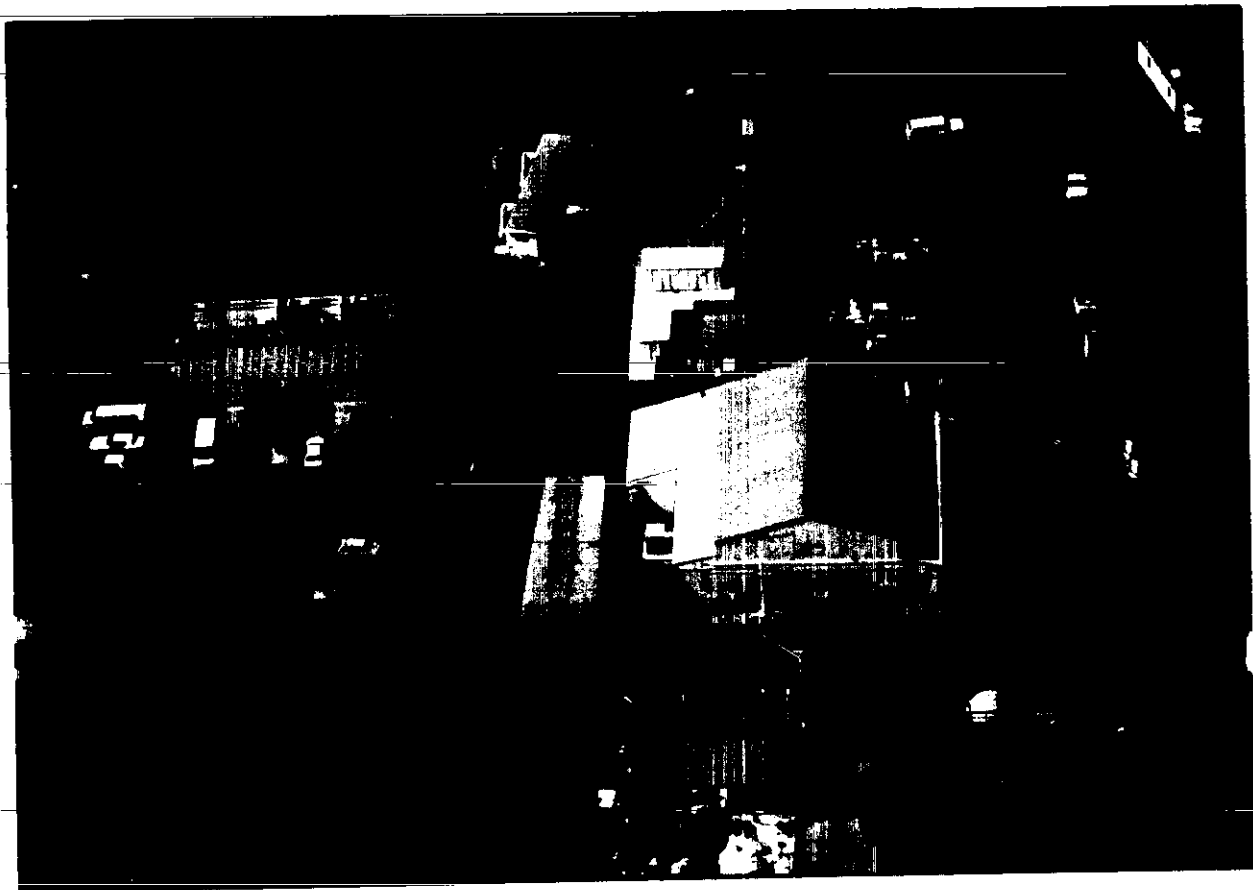


CANYON DECK

46°30'38"
119°30'40"

93051132-8CN
(PHOTO TAKEN 1993)

T PLANT COMPLEX 2706-T BUILDING

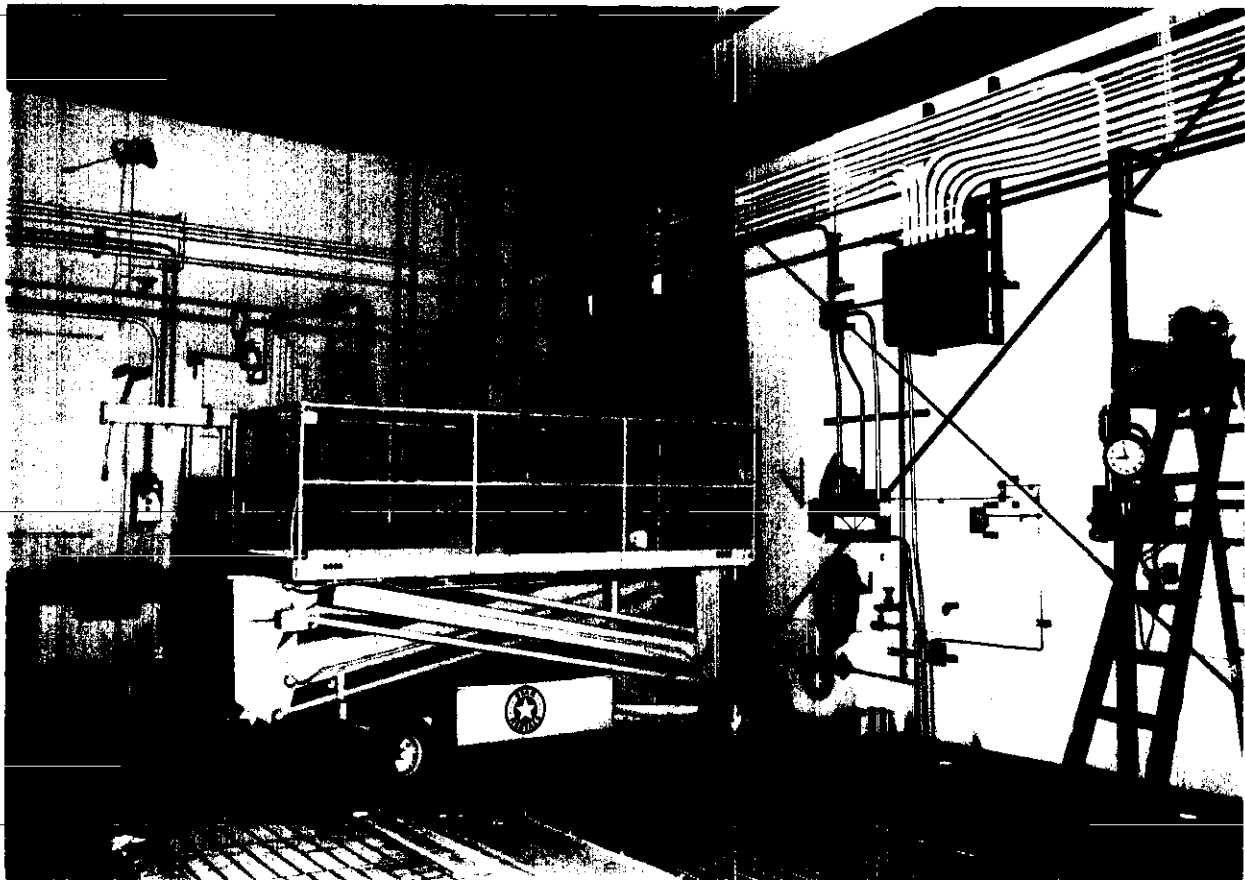


AERIAL VIEW

46°30'38"
119°30'40"

93030994-257CN
(PHOTO TAKEN 1993)

T PLANT COMPLEX 2706-T BUILDING



RAILROAD PIT

46°30'38"
119°30'40"

93040127-3CN
(PHOTO TAKEN 1993)

T PLANT COMPLEX 2706-T BUILDING

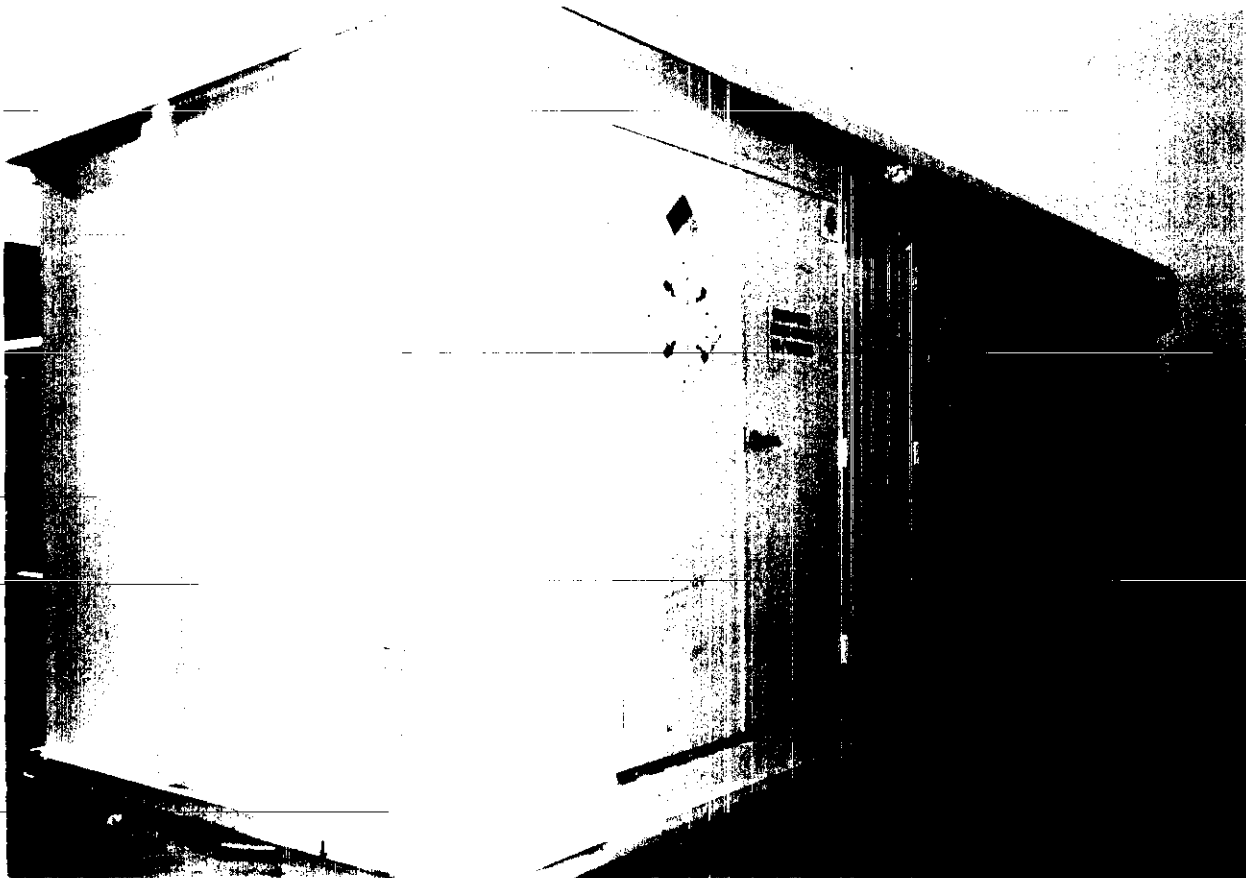


AUTOMOTIVE PIT

46°30'38"
119°30'40"

93040127-2CN
(PHOTO TAKEN 1993)

T PLANT COMPLEX 2706-T BUILDING



TYPICAL STORAGE BUILDING

46°30'38"
119°30'40"

93040127-13CN
(PHOTO TAKEN 1993)